# CDX-F7710/F7710S/F7715X/ F7750/F7750S

# SERVICE MANUAL

**Ver. 1.0 2004.12**

*US Model*
*Canadian Model*
*CDX-F7715X*
*AEP Model*
*UK Model*
*CDX-F7750/F7750S*
*E Model*
*CDX-F7710/F7710S*

Photo: CDX-F7710S

• The tuner and CD sections have no adjustments.

**AUDIO POWER SPECIFICATIONS (US MODEL)**
POWER OUTPUT AND TOTAL HARMONIC DISTORTION
23.2 watts per channel minimum continuous average power into 4 ohms, 4 channels driven from 20 Hz to 20 kHz with no more than 5% total harmonic distortion.

| | |
|---|---|
| Model Name Using Similar Mechanism | NEW |
| CD Drive Mechanism Type | MG-611TS-186//K |
| Optical Pick-up Name | KSS1000E |

## SPECIFICATIONS

### CD player section

| | |
|---|---|
| Signal-to-noise ratio | 120 dB |
| Frequency response | 10 – 20,000 Hz |
| Wow and flutter | Below measurable limit |

### Tuner section

**FM**

| | |
|---|---|
| Tuning range | CDX-F7715X:<br>87.5 – 107.9 MHz<br>CDX-F7710/F7710S/F7750/F7750S:<br>87.5 – 108 MHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz/450 kHz |
| Usable sensitivity | 9 dBf |
| Selectivity | 75 dB at 400 kHz |
| Signal-to-noise ratio | 67 dB (stereo),<br>69 dB (mono) |
| Harmonic distortion at 1 kHz | 0.5% (stereo),<br>0.3% (mono) |
| Separation | 35 dB at 1 kHz |
| Frequency response | 30 – 15,000 Hz |

**AM** (CDX-F7715X)

| | |
|---|---|
| Tuning range | 530 – 1,710 kHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz/450 kHz |
| Sensitivity | 30 µV |

**MW/LW** (CDX-F7710/F7710S/F7750/F7750S)

| | |
|---|---|
| Tuning range | MW: 531 – 1,602 kHz<br>LW: 153 – 279 kHz |
| Antenna terminal | External antenna connector |
| Intermediate frequency | 10.7 MHz/450 kHz |
| Sensitivity | MW: 30 µV<br>LW: 40 µV |

### Power amplifier section

| | |
|---|---|
| Outputs | Speaker outputs<br>(sure seal connectors) |
| Speaker impedance | 4 – 8 ohms |
| Maximum power output | 52 W × 4 (at 4 ohms) |

### General

| | |
|---|---|
| Outputs | Audio outputs terminal (front/rear)<br>Subwoofer output terminal (mono)<br>Power antenna relay control terminal<br>Power amplifier control terminal |
| Inputs | Telephone ATT control terminal<br>Illumination control terminal<br>BUS control input terminal<br>BUS audio input/AUX IN terminal<br>Remote controller input terminal<br>Antenna input terminal |

– Continued on next page –

# FM/AM COMPACT DISC PLAYER
## CDX-F7715X
# FM/MW/LW COMPACT DISC PLAYER
## CDX-F7710/F7710S/F7750/F7750S

**9-879-359-01**
2004L04-1
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**Sony Corporation**
**e Vehicle Company**
**Published by Sony Engineering Corporation**

SONY®

| | |
|---|---|
| Tone controls | CDX-F7710/F7710S/F7750/F7750S:<br>Bass: ±8 dB at 100 Hz<br>Treble: ±8 dB at 10 kHz<br>CDX-F7715S:<br>Bass: ±10 dB at 62 Hz<br>Treble: ±10 dB at 16 kHz |
| Loudness | +8 dB at 100 Hz<br>+2 dB at 10 kHz |
| Power requirements | 12 V DC car battery<br>(negative ground) |
| Dimensions | Approx. 178 × 50 × 178 mm<br>(7 1/8 × 2 × 7 1/8 in.) (w/h/d) |
| Mounting dimensions | Approx. 182 × 53 × 161 mm<br>(7 1/4 × 2 1/8 × 6 3/8 in.) (w/h/d) |
| Mass | Approx. 1.3 kg<br>(2 lb. 14 oz.) |
| Supplied accessories | Parts for installation and connections (1 set)<br>Front panel case (1)<br>Card remote commander RM-X152 (CDX-F7715S)<br>Card remote commander RM-X154 (CDX-F7710/F7710S/F7750/F7750S) |

US and foreign patents licensed from Dolby Laboratories.

**Note**
This unit cannot be connected to a digital preamplifier or an equalizer which is Sony BUS system compatible.

*Design and specifications are subject to change without notice.*

## SERVICE NOTES

### NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic breakdown because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic breakdown and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

### NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

### Notes on Chip Component Replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### TEST DISCS

This set can playback CD-R and CD-ROM discs. The following test discs should be used to check the capability:

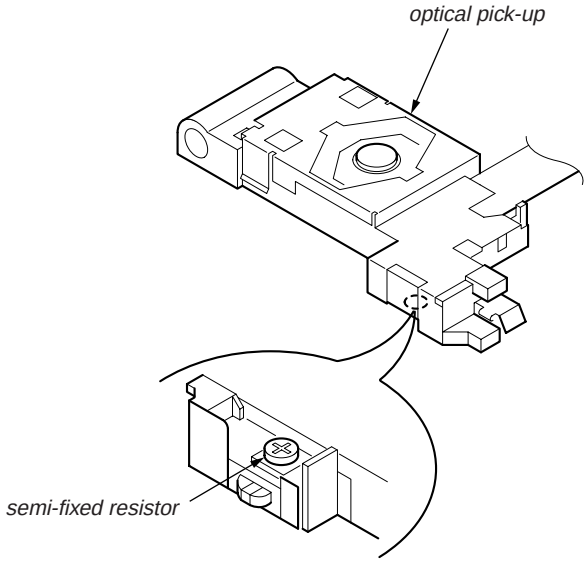
CD-R test disc TCD-R082LMT (Part No. J-2502-063-1)
CD-RW test disc TCD-W082L (Part No. J-2502-063-2)

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

**CAUTION**
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

If the optical pick-up block is defective, please replace the whole optical pick-up block.
Never turn the semi-fixed resistor located at the side of optical pick-up block.




• CDX-F7710/F7710S/F7750/F7750S model

This label is located on the bottom of the chassis.

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.**

• CD Playback:
You can play CD-DA (also containing CD TEXT*[1]), CD-R/CD-RW (MP3 files also containing Multi Session and ATRAC CD (ATRAC3 and ATRAC3plus format).

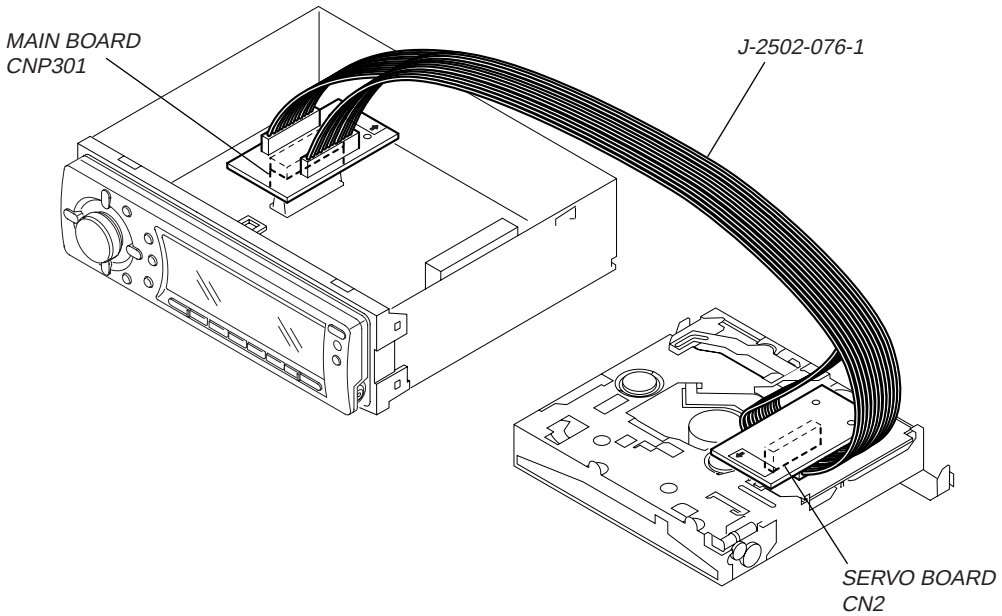
| Type of discs | Label on the disc |
|---|---|
| CD-DA | COMPACT disc DIGITAL AUDIO Recordable<br>COMPACT disc DIGITAL AUDIO ReWritable |
| MP3<br>ATRAC CD | COMPACT disc DIGITAL AUDIO Recordable<br>COMPACT disc DIGITAL AUDIO ReWritable<br>COMPACT disc Recordable<br>COMPACT disc ReWritable |

*1 A CD TEXT disc is a CD-DA that includes information such as disc, artist and track name.

## EXTENSION CABLE AND SERVICE POSITION

When repairing or servicing this set, connect the jig (extension cable) as shown below.

• Connect the MAIN board (CNP301) and the SERVO board (CN2) with the extension cable (Part No. J-2502-076-1).




## ● UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

### : LEAD FREE MARK

Unleaded solder has the following characteristics.

• Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
Soldering irons using a temperature regulator should be set to about 350 °C.
Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!

• Strong viscosity
Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.

• Usable with ordinary solder
It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

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# SECTION 1
# GENERAL

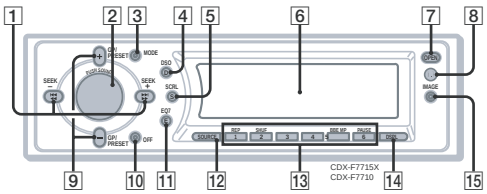
This section is extracted from instruction manual.

## • LOCATION OF CONTROL

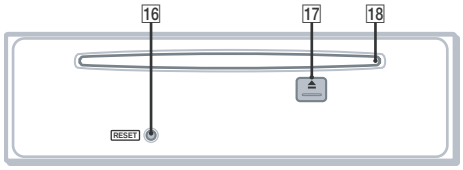
## • CDX-F7715X

### Location of controls and basic operations

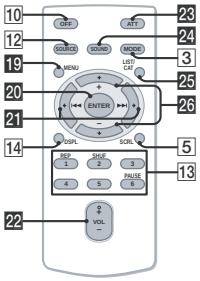
**Main unit**




**Front panel removed**




**Card remote commander RM-X152**



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **SEEK –/+ buttons**
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); fast-forward/reverse a track (press and hold).

2 **Volume control dial/SOUND button** 9
To adjust volume (rotate); select sound items (press).

3 **MODE button** 8, 12
To select the radio band (FM/AM)/select the unit*1.

4 **DSO button** 2
To select the DSO mode (1, 2, 3 or OFF). The larger the number, the more enhanced the effect.

5 **SCRL (scroll) button** 8
To scroll the display item.

6 **Display window**

7 **OPEN button** 5

8 **Receptor for the card remote commander**

9 **GP*2/PRESET +/– buttons**
To select preset stations/skip groups (press); skip groups continuously (press and hold).

10 **OFF button**
To power off/stop the source.

11 **EQ7 (equalizer) button**
To select an equalizer type (Xplod, VOCAL, CLUB, JAZZ, NEWAGE, ROCK, CUSTOM or OFF).

12 **SOURCE button**
To power on/change the source (Radio/CD/MD*3/AUX*4).

13 **Number buttons**
Radio:
To receive stored stations (press); store stations (press and hold).
CD/MD*5:
(1): **REP** 8
(2): **SHUF** 8
(5): **BBE MP***5*6 3
To activate the BBE MP function, set "BBE MP on." To cancel, set "BBE MP off."
(6): **PAUSE***6
To pause playback. To cancel, press again.

14 **DSPL (display) button** 8, 10
To change display items.

15 **IMAGE button** 2
To select the display image.
Space Producer mode → Wall paper mode 1-3 → Spectrum analyzer mode 1-5 → Movie mode 1-3 → normal play/reception mode

16 **RESET button** 4

17 **⏏ (eject) button** 5
To eject the disc.

18 **Disc slot** 5
To insert the disc.

The following buttons on the card remote commander have also different buttons/functions from the unit.

19 **MENU button**
To enter menu.

20 **ENTER button**
To complete a setting.

21 **← (I◀◀)/→ (▶▶I) buttons**
To control radio/CD, the same as (SEEK) –/+ on the unit.

22 **VOL (volume) +/– button**
To adjust volume.

23 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

24 **SOUND button** 9
To select sound items.

25 **LIST/CAT*7 button** 9, 12
To list up.

26 **↑ (+)/↓ (–) buttons**
To control radio/CD, the same as (GP/PRESET) +/– on the unit.

*1 *When a CD/MD changer is connected.*
*2 *When an MP3/ATRAC CD is played and a changer is not connected. If the changer is connected, the operation is different, see page 12.*
*3 *When an MD changer is connected.*
*4 *When an optional Sony portable device is connected.*
*5 *The unit only.*
*6 *When playing back on this unit.*
*7 *When the XM tuner is connected.*

***Note***
*If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.*

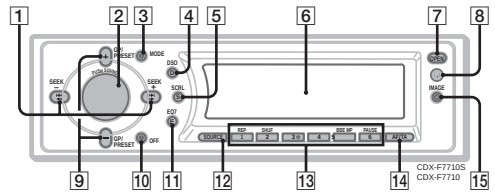
***Tip***
*For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 14.*



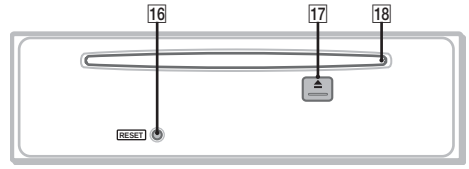

## • CDX-F7710/F7710S/F7750/F7750S

### Location of controls and basic operations

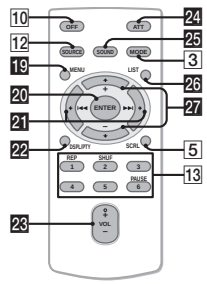
**Main unit**




**Front panel removed**




**Card remote commander RM-X154**



Refer to the pages listed for details. The corresponding buttons on the card remote commander control the same functions as those on the unit.

1 **SEEK –/+ buttons**
Radio:
To tune in stations automatically (press); find a station manually (press and hold).
CD:
To skip tracks (press); skip tracks continuously (press, then press again within about 1 second and hold); fast-forward/reverse a track (press and hold).

2 **Volume control dial/SOUND button** 11
To adjust volume (rotate); select sound items (press).

3 **MODE button** 8, 12
To select the radio band (FM/MW/LW)/select the unit*1.

4 **DSO button** 2
To select the DSO mode (1, 2, 3 or OFF). The larger the number, the more enhanced the effect.

5 **SCRL (scroll) button** 8
To scroll the display item.

6 **Display window**

7 **OPEN button** 5

8 **Receptor for the card remote commander**

9 **GP*2/PRESET +/– buttons**
To select preset stations/skip groups (press); skip groups continuously (press and hold).

10 **OFF button**
To power off/stop the source.

11 **EQ7 (equalizer) button**
To select an equalizer type (Xplod, VOCAL, CLUB, JAZZ, NEWAGE, ROCK, CUSTOM or OFF).

12 **SOURCE button**
To power on/change the source (Radio/CD/MD*3/AUX*4).

13 **Number buttons**
Radio:
To receive stored stations (press); store stations (press and hold).
CD/MD*3:
(1): **REP** 8
(2): **SHUF** 8
(5): **BBE MP***5*6 2
To activate the BBE MP function, set "BBE MP on." To cancel, set "BBE MP off."
(6): **PAUSE***6
To pause playback. To cancel, press again.

14 **AF (Alternative Frequencies)/TA (Traffic Announcement) button** 9, 10
To set AF and TA/TP in RDS.

15 **IMAGE button** 2
To select the display image.
Space Producer mode → Wall paper mode 1-3 → Spectrum analyzer mode 1-5 → Movie mode 1-3 → normal play/reception mode

16 **RESET button** 4

17 **⏏ (eject) button** 5
To eject the disc.

18 **Disc slot** 5
To insert the disc.

The following buttons on the card remote commander have also different buttons/functions from the unit.

19 **MENU button**
To enter menu.

20 **ENTER button**
To complete a setting.

21 **← (I◀◀)/→ (▶▶I) buttons**
To control radio/CD, the same as (SEEK) –/+ on the unit.

22 **DSPL (display)/PTY (Programme Type) button** 8, 10, 13
To change display items; to select PTY in RDS.

23 **VOL (volume) +/– button**
To adjust volume.

24 **ATT (attenuate) button**
To attenuate the sound. To cancel, press again.

25 **SOUND button** 11
To select sound items.

26 **LIST button** 9, 13
To list up.

27 **↑ (+)/↓ (–) buttons**
To control radio/CD, the same as (GP/PRESET) +/– on the unit.

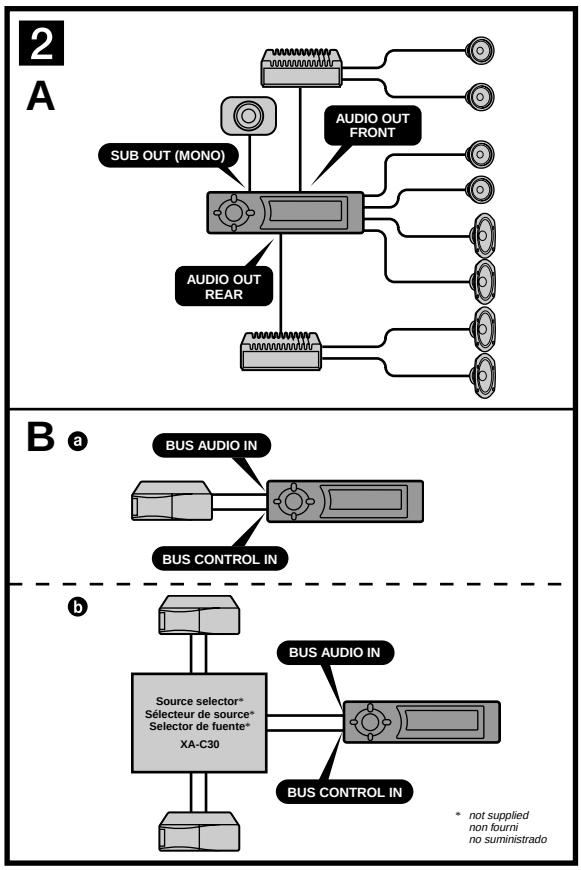
*1 *When a CD/MD changer is connected.*
*2 *When an MP3/ATRAC CD is played and a changer is not connected. If the changer is connected, the operation is different, see page 13.*
*3 *When an MD changer is connected.*
*4 *When an optional Sony portable device is connected.*
*5 *The unit only.*
*6 *When playing back on this unit.*

***Note***
*If the unit is turned off and the display disappears, it cannot be operated with the card remote commander unless (SOURCE) on the unit is pressed, or a disc is inserted to activate the unit first.*

***Tip***
*For details on how to replace the battery, see "Replacing the lithium battery of the card remote commander" on page 16.*

## • CONNECTIONS

### • CDX-F7715X




## Connection example (2)

***Notes* (2-A)**
- *Be sure to connect the ground lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

***Tip* (2-B-b)**
*For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.*

## Exemple de raccordement (2)

***Remarques* (2-A)**
- *Raccordez d'abord le câble de mise à la masse avant de raccorder l'amplificateur.*
- *L'alarme est émise uniquement lorsque l'amplificateur intégré est utilisé.*

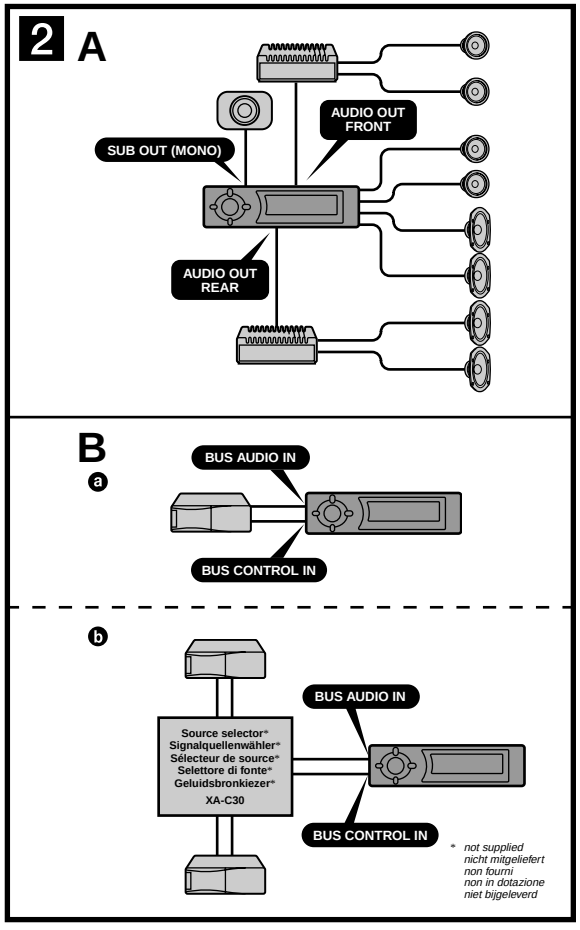
***Conseil* (2-B-b)**
*Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est requis.*

## Ejemplo de conexiones (2)

***Notas* (2-A)**
- *Asegúrese de conectar primero el cable de conexión a masa antes de realizar la conexión del amplificador.*
- *La alarma sonará únicamente si se utiliza el amplificador incorporado.*

***Sugerencia* (2-B-b)**
*Si desea conectar dos o más cambiadores de CD/MD, necesitará el selector de fuente XA-C30 (opcional).*

### • CDX-F7750/F7750S




## Connection example (2)

***Notes* (2-A)**
- *Be sure to connect the earth lead before connecting the amplifier.*
- *The alarm will only sound if the built-in amplifier is used.*

***Tip* (2-B-b)**
*For connecting two or more CD/MD changers, the source selector XA-C30 (optional) is necessary.*

## Anschlussbeispiel (2)

***Hinweise* (2-A)**
- *Schließen Sie unbedingt zuerst das Massekabel an, bevor Sie den Verstärker anschließen.*
- *Der Signalton wird nur ausgegeben, wenn der integrierte Verstärker verwendet wird.*

***Tipp* (2-B-b)**
*Zum Anschließen von zwei oder mehr CD/MD-Wechslern wird der gesondert erhältliche Signalquellenwähler XA-C30 benötigt.*

## Exemple de raccordement (2)

***Remarques* (2-A)**
- *Raccordez d'abord le câble de mise à la masse avant de connecter l'amplificateur.*
- *Un bip sera émis uniquement lorsque l'amplificateur intégré est utilisé.*

***Conseil* (2-B-b)**
*Dans le cas du raccordement de deux changeurs de CD/MD ou plus, le sélecteur de source XA-C30 (en option) est indispensable.*

## Esempio di collegamento (2)

***Note* (2-A)**
- *Assicurarsi di collegare il cavo di terra prima di collegare l'apparecchio all'amplificatore.*
- *Il segnale acustico viene emesso solo se viene utilizzato l'amplificatore incorporato.*

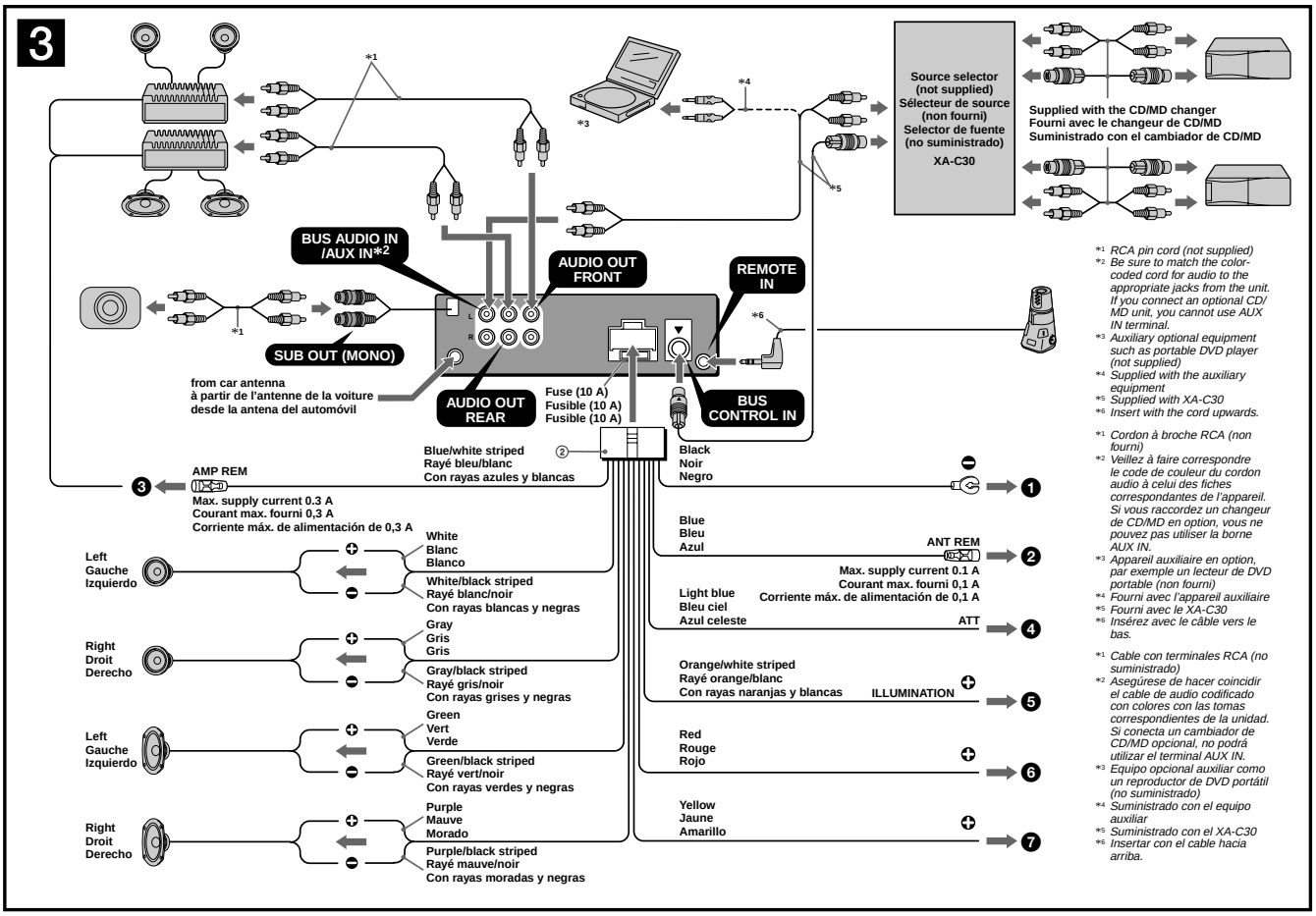
***Suggerimento* (2-B-b)**
*Per collegare due o più cambia CD/MD, si deve utilizzare il selettore di fonte XA-C30 (opzionale).*

## Voorbeeldaansluitingen (2)

***Opmerkingen* (2-A)**
- *Sluit eerst de aarddraad aan voordat u de versterker aansluit.*
- *U hoort de pieptoon alleen als de ingebouwde versterker wordt gebruikt.*

***Tip* (2-B-b)**
*Om twee of meer CD/MD-wisselaars aan te sluiten, hebt u de geluidsbronkiezer XA-C30 (optioneel) nodig.*

## • CDX-F7715X




*1 *RCA pin cord (not supplied)*
*2 *Be sure to match the color-coded cord for audio to the appropriate jacks from the unit. If you connect an optional CD/MD unit, you cannot use AUX IN terminal.*
*3 *Auxiliary optional equipment such as portable DVD player (not supplied)*
*4 *Supplied with the auxiliary equipment*
*5 *Supplied with XA-C30*
*6 *Insert with the cord upwards.*

*1 *Cordon à broche RCA (non fourni)*
*2 *Veillez à faire correspondre le code de couleur du cordon audio à celui des fiches correspondantes de l'appareil. Si vous raccordez un changeur de CD/MD en option, vous ne pouvez pas utiliser la borne AUX IN.*
*3 *Appareil auxiliaire en option, par exemple un lecteur de DVD portable (non fourni)*
*4 *Fourni avec l'appareil auxiliaire*
*5 *Fourni avec le XA-C30*
*6 *Insérez avec le câble vers le bas.*

*1 *Cable con terminales RCA (no suministrado)*
*2 *Asegúrese de hacer coincidir el cable de audio codificado con colores con las tomas correspondientes de la unidad. Si conecta un cambiador de CD/MD opcional, no podrá utilizar el terminal AUX IN.*
*3 *Equipo opcional auxiliar como un reproductor de DVD portátil (no suministrado)*
*4 *Suministrado con el equipo auxiliar*
*5 *Suministrado con el XA-C30*
*6 *Insertar con el cable hacia arriba.*

## Connection diagram (3)

❶ **To a metal surface of the car**
*First connect the black ground lead, then connect the orange/white striped, yellow, and red power input leads.*

❷ **To the power antenna control lead or power supply lead of antenna booster amplifier**
***Notes***
- *It is not necessary to connect this lead if there is no power antenna or antenna booster, or with a manually-operated telescopic antenna.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."*

❸ **To AMP REMOTE IN of an optional power amplifier**
*This connection is only for amplifiers. Connecting any other system may damage the unit.*

❹ **To the interface cable of a car telephone**

❺ **To a car's illumination signal**
*Be sure to connect the black ground lead to a metal surface of the car first.*

❻ **To the +12 V power terminal which is energized in the accessory position of the ignition key switch**
***Notes***
- *If there is no accessory position, connect to the +12 V power (battery) terminal which is energized at all times. Be sure to connect the black ground lead to a metal surface of the car first.*
- *When your car has a built-in FM/AM antenna in the rear/side glass, see "Notes on the control and power supply leads."*

❼ **To the +12 V power terminal which is energized at all times**
*Be sure to connect the black ground lead to a metal surface of the car first.*

***Notes on the control and power supply leads***
- *The power antenna control lead (blue) supplies +12 V DC when you turn on the tuner.*
- *When your car has built-in FM/AM antenna in the rear/side glass, connect the power antenna control lead (blue) or the accessory power input lead (red) to the power terminal of the existing antenna booster. For details, consult your dealer.*
- *A power antenna without a relay box cannot be used with this unit.*

***Memory hold connection***
*When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.*

***Notes on speaker connection***
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the ground lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

***Note on connection***
*If speaker and amplifier are not connected correctly, "Failure" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.*

## Schéma de raccordement (3)

❶ **À un point métallique de la voiture**
*Branchez d'abord le fil de masse noir et, ensuite, les fils d'entrée d'alimentation rayé orange/blanc, jaune, et rouge.*

❷ **Vers le câble de commande d'antenne électrique ou le câble d'alimentation de l'amplificateur d'antenne**
***Remarques***
- *Il n'est pas nécessaire de raccorder ce câble s'il n'y a pas d'antenne électrique ni d'amplificateur d'antenne, ou avec une antenne télescopique manuelle.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

❸ **Au niveau de AMP REMOTE IN de l'amplificateur de puissance en option**
*Ce raccordement s'applique uniquement aux amplificateurs. Le branchement de tout autre système risque d'endommager l'appareil.*

❹ **Vers le cordon de liaison d'un téléphone de voiture**

❺ **Vers le connecteur du signal d'éclairage de la voiture**
*Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.*

❻ **À la borne +12 V qui est alimentée quand la clé de contact est sur la position accessoires**
***Remarques***
- *S'il n'y a pas de position accessoires, raccordez la borne d'alimentation (batterie) +12 V qui est alimentée en permanence. Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.*
- *Si votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, voir « Remarques sur les câbles de commande et d'alimentation ».*

❼ **À la borne +12 V qui est alimentée en permanence**
*Raccordez d'abord le câble de mise à la masse noir à un point métallique du véhicule.*

***Remarques sur les c,b les de commande et dialimentation***
- *Le câble de commande d'antenne électrique (bleu) fournit une alimentation de + 12 V CC lorsque vous mettez la radio sous tension.*
- *Lorsque votre voiture est équipée d'une antenne FM/AM intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne électrique (bleu) ou l'entrée d'alimentation des accessoires (rouge) à la borne d'alimentation de l'amplificateur d'antenne existant. Pour plus de détails, consultez votre détaillant.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

***Raccordement pour la conservation de la mémoire***
*Lorsque le câble d'entrée d'alimentation jaune est raccordé, le circuit de la mémoire est alimenté en permanence même si la clé de contact est sur la position d'arrêt.*

***Remarques sur le raccordement des haut-parleurs***
- *Avant de raccorder les haut-parleurs, mettez l'appareil hors tension.*
- *Utilisez des haut-parleurs ayant une impédance de 4 à 8 ohms avec une capacité électrique adéquate pour éviter de les endommager.*
- *Ne raccordez pas les bornes du système de haut-parleurs au châssis de la voiture et ne raccordez pas les bornes des haut-parleurs droit à celles du haut-parleur gauche.*
- *Ne raccordez pas le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *N'essayez pas de raccorder les haut-parleurs en parallèle.*
- *Raccordez uniquement des haut-parleurs passifs. Le raccordement de haut-parleurs actifs (avec amplificateurs intégrés) aux bornes des haut-parleurs peut endommager l'appareil.*
- *Pour éviter tout dysfonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil partage un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

***Remarque sur le raccordement***
*Si les haut-parleurs et l'amplificateur ne sont pas raccordés correctement, le message « Failure » s'affiche. Dans ce cas, assurez-vous que les haut-parleurs et l'amplificateur sont bien raccordés.*

## Diagrama de conexión (3)

❶ **A una superficie metálica del automóvil**
*Conecte primero el cable de puesta a masa negro, y después los cables con rayas naranjas y blancas, amarillo, y rojo de entrada de alimentación.*

❷ **Al cable de control de la antena motorizada o al cable de fuente de alimentación del amplificador de señal de la antena**
***Notas***
- *Si no se dispone de antena motorizada ni de amplificador de antena, o se utiliza una antena telescópica accionada manualmente, no será necesario conectar este cable.*
- *Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

❸ **A AMP REMOTE IN de un amplificador de potencia opcional**
*Esta conexión es sólo para amplificadores. La conexión de cualquier otro sistema puede dañar la unidad.*

❹ **Al cable de interfaz de un teléfono para automóvil**

❺ **A una señal de iluminación del automóvil**
*Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.*

❻ **Al terminal de alimentación de +12 V que recibe energía en la posición de accesorio del interruptor de la llave de encendido**
***Notas***
- *Si no hay posición de accesorio, conéctelo al terminal de alimentación (batería) de +12 V que recibe energía sin interrupción.*
  *Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.*
- *Si el automóvil incorpora una antena de FM/AM en el cristal trasero o lateral, consulte "Notas sobre los cables de control y de fuente de alimentación".*

❼ **Al terminal de alimentación de +12 V que recibe energía sin interrupción**
*Asegúrese de conectar primero el cable de conexión a masa negro a una superficie metálica del automóvil.*

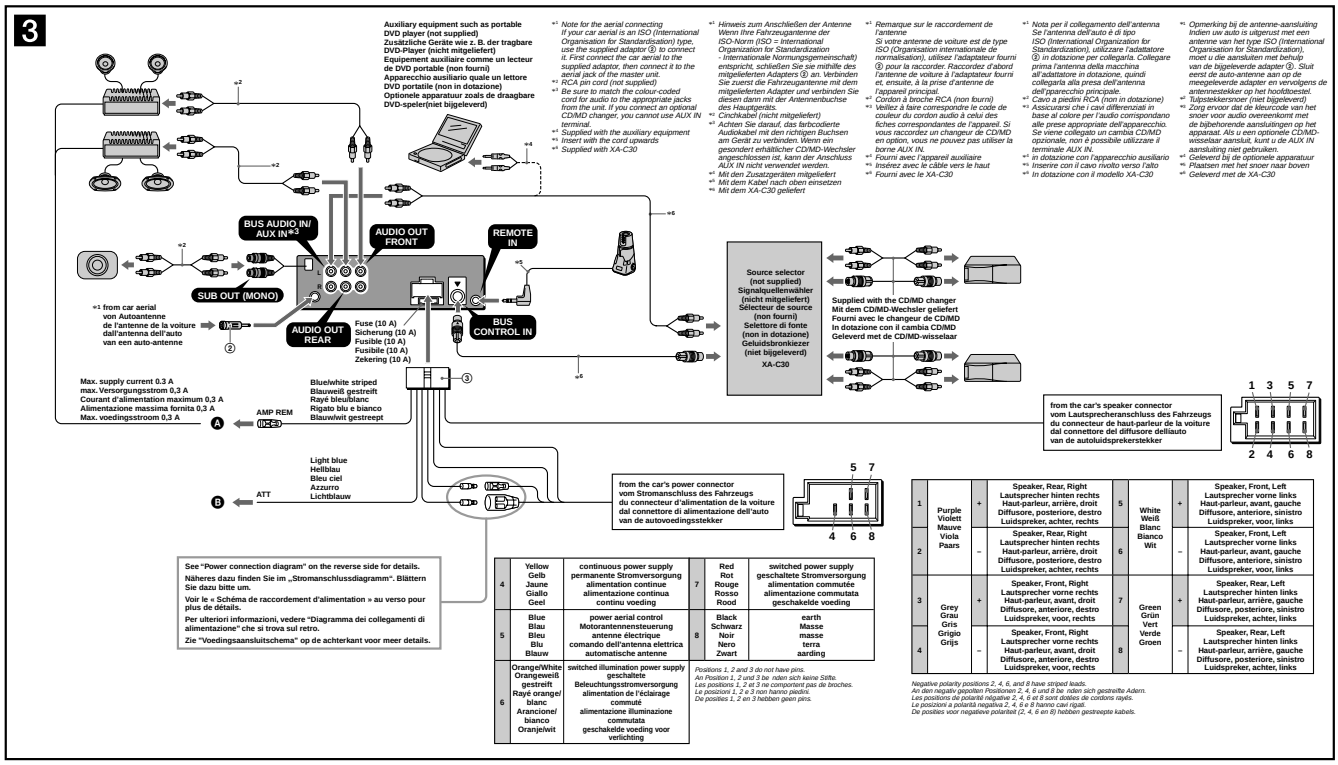
***Notas sobre los cables de control y de fuente de alimentación***
- *El cable de control de la antena motorizada (azul) suministrará cc de + 12 V cuando conecte la alimentación del sintonizador.*
- *Si el automóvil dispone de una antena de FM/AM incorporada en el cristal trasero o lateral, conecte el cable de control de antena motorizada (azul) o el cable de entrada de alimentación auxiliar (rojo) al terminal de alimentación del amplificador de antena existente. Para obtener más información, consulte a su distribuidor.*
- *Con esta unidad no es posible utilizar una antena motorizada sin caja de relé.*

***Conexión para protección de la memoria***
*Si conecta el cable de entrada de alimentación amarillo, el circuito de la memoria recibirá siempre alimentación, aunque apague la llave de encendido.*

***Notas sobre la conexión de los altavoces***
- *Antes de conectar los altavoces, desconecte la alimentación de la unidad.*
- *Utilice altavoces con una impedancia de 4 a 8 con la capacidad de potencia adecuada para evitar que se dañen.*
- *No conecte los terminales de altavoz al chasis del automóvil, ni conecte los terminales del altavoz derecho con los del izquierdo.*
- *No conecte el cable de conexión a masa de esta unidad al terminal negativo (–) del altavoz.*
- *No intente conectar los altavoces en paralelo.*
- *Conecte solamente altavoces pasivos. Si conecta altavoces activos (con amplificadores incorporados) a los terminales de altavoz, puede dañar la unidad.*
- *Para evitar fallos de funcionamiento, no utilice los cables de altavoz incorporados instalados en el automóvil si su unidad comparte un cable negativo común (–) para los altavoces derecho e izquierdo.*
- *No conecte los cables de altavoz de la unidad entre sí.*

***Nota sobre la conexión***
*Si el altavoz y el amplificador no están conectados correctamente, aparecerá "Failure" en la pantalla. Si es así, compruebe la conexión de ambos dispositivos.*

## • CDX-F7750/F7750S


3
Auxiliary equipment such as portable DVD player (not supplied)
Zusätzliche Geräte wie z. B. der tragbare DVD-Player (nicht mitgeliefert)
Equipement auxiliaire comme un lecteur de DVD portable (non fourni)
Apparecchio ausiliario quale un lettore DVD portatile (non in dotazione)
Optionele apparatuur zoals de draagbare DVD-speler(niet bijgeleverd)
BUS AUDIO IN/ AUX IN*3
AUDIO OUT FRONT
REMOTE IN
SUB OUT (MONO)
AUDIO OUT REAR
BUS CONTROL IN
*1 from car aerial
von Autoantenne
de l'antenne de la voiture
dall'antenna dell'auto
van een auto-antenne
Fuse (10 A)
Sicherung (10 A)
Fusible (10 A)
Fusibile (10 A)
Zekering (10 A)
Max. supply current 0,3 A
max. Versorgungsstrom 0,3 A
Courant d'alimentation maximum 0,3 A
Alimentazione massima fornita 0,3 A
Max. voedingsstroom 0,3 A
AMP REM
Blue/white striped
Blauweiß gestreift
Rayé bleu/blanc
Rigato blu e bianco
Blauw/wit gestreept
Light blue
Hellblau
Bleu ciel
Azzurro
Lichtblauw
ATT
Source selector (not supplied)
Signalquellenwähler (nicht mitgeliefert)
Sélecteur de source (non fourni)
Selettore di fonte (non in dotazione)
Geluidsbronkiezer (niet bijgeleverd)
XA-C30
Supplied with the CD/MD changer
Mit dem CD/MD-Wechsler geliefert
Fourni avec le changeur de CD/MD
In dotazione con il cambia CD/MD
Geleverd met de CD/MD-wisselaar
from the car's speaker connector
vom Lautsprecheranschluss des Fahrzeugs
du connecteur de haut-parleur de la voiture
dal connettore di altoparlante dell'auto
van de autoluidsprekerstekker
from the car's power connector
vom Stromanschluss des Fahrzeugs
du connecteur d'alimentation de la voiture
dal connettore di alimentazione dell'auto
van de autovoedingsstekker
See "Power connection diagram" on the reverse side for details.
Näheres dazu finden Sie im „Stromanschlussdiagramm". Blättern Sie dazu bitte um.
Voir le « Schéma de raccordement d'alimentation » au verso pour plus de détails.
Per ulteriori informazioni, vedere "Diagramma dei collegamenti di alimentazione" che si trova sul retro.
Zie "Voedingsaansluitschema" op de achterkant voor meer details.

| | | | |
|---|---|---|---|
| 4 | Yellow / Gelb / Jaune / Giallo / Geel | continuous power supply / permanente Stromversorgung / alimentation continue / alimentazione continua / continu voeding | |
| 5 | Blue / Blau / Bleu / Blu / Blauw | power aerial control / Motorantennensteuerung / antenne électrique / comando dell'antenna elettrica / automatische antenne | |
| 6 | Orange/White / Orangeweiß gestreift / Rayé orange/blanc / Arancione/bianco / Oranje/wit | switched illumination power supply / geschaltete Beleuchtungsstromversorgung / alimentation de l'éclairage commuté / alimentazione illuminazione commutata / geschakelde voeding voor verlichting | |
| 7 | Red / Rot / Rouge / Rosso / Rood | switched power supply / geschaltete Stromversorgung / alimentation commutée / alimentazione commutata / geschakelde voeding | |
| 8 | Black / Schwarz / Noir / Nero / Zwart | earth / Masse / masse / terra / aarding | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 1 | Purple / Violett / Mauve / Viola / Paars | + | Speaker, Rear, Right / Lautsprecher hinten rechts / Haut-parleur, arrière, droit / Diffusore, posteriore, destro / Luidspreker, achter, rechts | 5 | White / Weiß / Blanc / Bianco / Wit | + | Speaker, Front, Left / Lautsprecher vorne links / Haut-parleur, avant, gauche / Diffusore, anteriore, sinistro / Luidspreker, voor, links |
| | | – | Speaker, Rear, Right / Lautsprecher hinten rechts / Haut-parleur, arrière, droit / Diffusore, posteriore, destro / Luidspreker, achter, rechts | | | – | Speaker, Front, Left / Lautsprecher vorne links / Haut-parleur, avant, gauche / Diffusore, anteriore, sinistro / Luidspreker, voor, links |
| 2 | | | | 6 | | | |
| 3 | Grey / Grau / Gris / Grigio / Grijs | + | Speaker, Front, Right / Lautsprecher vorne rechts / Haut-parleur, avant, droit / Diffusore, anteriore, destro / Luidspreker, voor, rechts | 7 | Green / Grün / Vert / Verde / Groen | + | Speaker, Rear, Left / Lautsprecher hinten links / Haut-parleur, arrière, gauche / Diffusore, posteriore, sinistro / Luidspreker, achter, links |
| 4 | | – | Speaker, Front, Right / Lautsprecher vorne rechts / Haut-parleur, avant, droit / Diffusore, anteriore, destro / Luidspreker, voor, rechts | 8 | | – | Speaker, Rear, Left / Lautsprecher hinten links / Haut-parleur, arrière, gauche / Diffusore, posteriore, sinistro / Luidspreker, achter, links |

*Positions 1, 2 and 3 do not have pins.*
*An Position 1, 2 und 3 bei nden sich keine Stifte.*
*Les positions 1, 2 et 3 ne comportent pas de broches.*
*La posizioni 1, 2 e 3 non hanno piedini.*
*De posities 1, 2 en 3 hebben geen pins.*

*Negative polarity positions 2, 4, 6, and 8 have striped leads.*
*An den negativ gepolten Positionen 2, 4, 6 und 8 be nden sich gestreifte Adern.*
*Les positions de polarité négative 2, 4, 6 et 8 sont dotées de cordons rayés.*
*La posizioni a polarità negativa 2, 4, 6 e 8 hanno cavi rigati.*
*De posities voor negatieve polariteit (2, 4, 6 en 8) hebben gestreepte kabels.*

**1 Note for the aerial connecting*
*If your car aerial is an ISO (International Organisation for Standardisation) type, use the supplied adaptor Ⓐ to connect it. First connect the car aerial to the supplied adaptor, then connect it to the aerial jack of the master unit.*
**2 RCA pin cord (not supplied)*
**3 Be sure to match the colour-coded cord for audio to the appropriate jacks from the unit. If you connect an optional CD/MD changer, you cannot use AUX IN terminal.*
**4 Supplied with the auxiliary equipment*
**5 Insert with the cord upwards*
**6 Supplied with XA-C30*

**1 Hinweis zum Anschließen der Antenne*
*Wenn Ihre Fahrzeugantenne der ISO-Norm (ISO = International Organization for Standardization - International Normungsgemeinschaft) entspricht, schließen Sie sie mithilfe des mitgelieferten Adapters Ⓐ an. Verbinden Sie zuerst die Fahrzeugantenne mit dem mitgelieferten Adapter und verbinden Sie diesen dann mit der Antennenbuchse des Hauptgeräts.*
**2 Cinchkabel (nicht mitgeliefert)*
**3 Achten Sie darauf, das farbcodierte Audiokabel mit den richtigen Buchsen am Gerät zu verbinden. Wenn ein gesondert erhältlicher CD/MD-Wechsler angeschlossen ist, kann der Anschluss AUX IN nicht verwendet werden.*
**4 Mit dem Zusatzgerätem mitgeliefert*
**5 Mit dem Kabel nach oben einsetzen*
**6 Mit dem XA-C30 geliefert*

**1 Remarque sur le raccordement de l'antenne*
*Si votre antenne de voiture est de type ISO (Organisation internationale de normalisation), utilisez l'adaptateur fourni Ⓐ pour la raccorder. Raccordez d'abord l'antenne de voiture à l'adaptateur fourni et, ensuite, à la prise d'antenne de l'appareil principal.*
**2 Cordon à broche RCA (non fourni)*
**3 Veillez à faire correspondre le code de couleur du cordon audio à celui des fiches correspondantes de l'appareil. Si vous raccordez un changeur de CD/MD en option, vous ne pouvez pas utiliser la borne AUX IN.*
**4 Fourni avec l'appareil auxiliaire*
**5 Insérez avec le câble vers le haut*
**6 Fourni avec le XA-C30*

**1 Nota per il collegamento dell'antenna*
*Se l'antenna dell'auto è di tipo ISO (International Organization for Standardization), utilizzare l'adattatore Ⓐ in dotazione per collegarla. Collegare prima l'antenna della macchina all'adattatore in dotazione, quindi collegarla alla presa dell'antenna dell'apparecchio principale.*
**2 Cavo a piedini RCA (non in dotazione)*
**3 Assicurarsi che i cavi differenziati in base al colore per l'audio corrispondano alle prese appropriate dell'apparecchio. Se viene collegato un cambia CD/MD opzionale, non è possibile utilizzare il terminale AUX IN.*
**4 in dotazione con l'apparecchio ausiliario*
**5 Inserire con il cavo rivolto verso l'alto*
**6 In dotazione con il modello XA-C30*

**1 Opmerking bij de antenne-aansluiting*
*Indien uw auto is uitgerust met een antenne van het type ISO (International Organisation for Standardization), moet u die aansluiten met behulp van de bijgeleverde adapter Ⓐ. Sluit eerst de auto-antenne aan op de meegeleverde adapter en vervolgens de antennestekker op het hoofdtoestel.*
**2 Tulpstekkersnoer (niet bijgeleverd)*
**3 Zorg ervoor dat de kleurcode van het snoer voor audio overeenkomt met de bijbehorende aansluitingen op het apparaat. Als u een optionele CD/MD-wisselaar aansluit, kunt u de AUX IN aansluiting niet gebruiken.*
**4 Geleverd bij de optionele apparatuur*
**5 Plaatsen met het snoer naar boven*
**6 Geleverd met de XA-C30*

## Connection diagram (3)

Ⓐ **To AMP REMOTE IN of an optional power amplifier**
*This connection is only for amplifiers. Connecting any other system may damage the unit.*

Ⓑ **To the interface cable of a car telephone**

### Warning

If you have a power aerial without a relay box, connecting this unit with the supplied power connecting lead Ⓒ may damage the aerial.

***Notes on the control power and supply leads***
- *The power aerial control lead (blue) supplies +12 V DC when you turn on the tuner, or when you activate the AF (Alternative Frequency) or TA (Traf c Announcement) function.*
- *When your car has built-in FM/MW/LW aerial in the rear/side glass, connect the power aerial control lead (blue) or the accessory power input lead (red) to the power terminal of the existing aerial booster. For details, consult your dealer.*
- *A power aerial without a relay box cannot be used with this unit.*

***Memory hold connection***
*When the yellow power input lead is connected, power will always be supplied to the memory circuit even when the ignition switch is turned off.*

***Notes on speaker connection***
- *Before connecting the speakers, turn the unit off.*
- *Use speakers with an impedance of 4 to 8 ohms, and with adequate power handling capacities to avoid its damage.*
- *Do not connect the speaker terminals to the car chassis, or connect the terminals of the right speakers with those of the left speaker.*
- *Do not connect the earth lead of this unit to the negative (–) terminal of the speaker.*
- *Do not attempt to connect the speakers in parallel.*
- *Connect only passive speakers. Connecting active speakers (with built-in amplifiers) to the speaker terminals may damage the unit.*
- *To avoid a malfunction, do not use the built-in speaker leads installed in your car if the unit shares a common negative (–) lead for the right and left speakers.*
- *Do not connect the unit's speaker leads to each other.*

***Note on connection***
*If speaker and ampli er are not connected correctly, "FAILURE" appears in the display. In this case, make sure the speaker and amplifier are connected correctly.*

## Anschlussdiagramm (3)

Ⓐ **An AMP REMOTE IN des gesondert erhältlichen Endverstärkers**
*Dieser Anschluss ist ausschließlich für Verstärker gedacht. Schließen Sie nichts anderes daran an. Andernfalls kann das Gerät beschädigt werden.*

Ⓑ **An Schnittstellenkabel eines Autotelefons**

### Warnung

Wenn Sie eine Motorantenne ohne Relaiskästchen verwenden, kann durch Anschließen dieses Geräts mit dem mitgelieferten Stromversorgungskabel Ⓒ die Antenne beschädigt werden.

***Hinweise zu den Steuer- und Stromversorgungsleitungen***
- *Die Motorantennen-Steuerleitung (blau) liefert +12 V Gleichstrom, wenn Sie den Tuner einschalten oder die AF- (Alternativfrequenzsuche) oder die TA-Funktion (Verkehrsdurchsagen) aktivieren.*
- *Wenn das Fahrzeug mit einer in der Heck-/Seitenfensterscheibe integrierten FM (UKW)/MW/LW-Antenne ausgestattet ist, schließen Sie die Motorantennen-Steuerleitung (blau) oder die Zubehörstromversorgungsleitung (rot) an den Stromversorgungsanschluss des vorhandenen Antennenverstärkers an. Näheres dazu erfahren Sie bei Ihrem Händler.*
- *Es kann nur eine Motorantenne mit Relaiskästchen angeschlossen werden.*

***Stromversorgung des Speichers***
*Wenn die gelbe Stromversorgungsleitung angeschlossen ist, wird der Speicher stets (auch bei ausgeschalteter Zündung) mit Strom versorgt.*

***Hinweise zum Lautsprecheranschluss***
- *Schalten Sie das Gerät aus, bevor Sie die Lautsprecher anschließen.*
- *Verwenden Sie Lautsprecher mit einer Impedanz zwischen 4 und 8 Ohm und ausreichender Belastbarkeit. Ansonsten können die Lautsprecher beschädigt werden.*
- *Verbinden Sie die Lautsprecheranschlüsse nicht mit dem Wagenchassis und verbinden Sie auch nicht die Anschlüsse des rechten mit denen des linken Lautsprechers.*
- *Verbinden Sie die Masseleitung dieses Geräts nicht mit dem negativen (–) Lautsprecheranschluss.*
- *Versuchen Sie nicht, Lautsprecher parallel anzuschließen.*
- *An die Lautsprecheranschlüsse dieses Geräts dürfen nur Passivlautsprecher angeschlossen werden. Schließen Sie keinen Aktivlautsprecher (Lautsprecher mit eingebauten Verstärkern) an, da das Gerät sonst beschädigt werden könnte.*
- *Um Fehlfunktionen zu vermeiden, verwenden Sie nicht die im Fahrzeug installierten, integrierten Lautsprecherleitungen, wenn am Ende eine gemeinsame negative (–) Leitung für den rechten und den linken Lautsprecher verwendet wird.*
- *Verbinden Sie nicht die Lautsprecherkabel des Geräts miteinander.*

***Hinweis zum Anschließen***
*Wenn Lautsprecher und Verstärker nicht richtig angeschlossen sind, erscheint „FAILURE" im Display. Vergewissern Sie sich in diesem Fall, dass Lautsprecher und Verstärker richtig angeschlossen sind.*

## Schémas de raccordement (3)

Ⓐ **Au niveau du AMP REMOTE IN d'un amplificateur de puissance facultatif**
*Ce raccordement existe seulement pour les ampli cateurs. Le raccordement à tout autre système peut endommager l'appareil.*

Ⓑ **Vers le cordon de liaison d'un téléphone de voiture**

### Avertissement

Si vous disposez d'une antenne électrique sans boîtier de relais, le branchement de cet appareil au moyen du cordon d'alimentation fourni Ⓒ risque d'endommager l'antenne.

***Remarques sur les câbles de commande et d'alimentation***
- *Le câble de commande (bleu) fournit du courant continu de +12 V lorsque vous mettez le tuner sous tension ou lorsque vous activez la fonction AF (fréquence alternative) ou TA (informations de circulation).*
- *Lorsque votre voiture est équipée d'une antenne FM/MW (GO)/LW (PO) intégrée dans la vitre arrière/latérale, raccordez le câble de commande d'antenne (bleu) ou l'entrée d'alimentation des accessoires (rouge) au bornier de l'ampli cateur d'antenne existant. Pour plus de détails, consultez votre revendeur.*
- *Une antenne électrique sans boîtier de relais ne peut pas être utilisée avec cet appareil.*

***Raccordement pour la conservation de la mémoire***
*Lorsque le câble de commande d'antenne jaune est connecté, le circuit de la mémoire est alimenté en permanence même si la clé de contact est en position d'arrêt.*

***Remarques sur le raccordement des haut-parleurs***
- *Avant de raccorder les haut-parleurs, mettre l'appareil hors tension.*
- *Utiliser des haut-parleurs ayant une impédance de 4 à 8 ohms et une capacité adéquate sous peine de les endommager.*
- *Ne pas raccorder les bornes du système de haut-parleurs au châssis de la voiture et ne pas connecter les bornes du haut-parleur droit à celles du haut-parleur gauche.*
- *Ne pas raccorder le câble de mise à la masse de cet appareil à la borne négative (–) du haut-parleur.*
- *Ne pas tenter de raccorder les haut-parleurs en parallèle.*
- *Connecter uniquement des haut-parleurs passifs. La connexion de haut-parleurs actifs (avec des ampli cateurs intégrés) aux bornes des haut-parleurs pourrait endommager l'appareil.*
- *Pour éviter tout dysfonctionnement, n'utilisez pas les câbles des haut-parleurs intégrés installés dans votre voiture si l'appareil dispose d'un câble négatif commun (–) pour les haut-parleurs droit et gauche.*
- *Ne raccordez pas entre eux les cordons des haut-parleurs de l'appareil.*

***Remarque sur le raccordement***
*Si les enceintes et l'ampli cateur ne sont pas raccordés correctement, le message « FAILURE » s'affiche. Dans ce cas, assurez-vous que les enceintes et l'ampli cateur sont raccordÉs correctement.*

## Schema di collegamento (3)

Ⓐ **A AMP REMOTE IN di un amplificatore di potenza opzionale**
*Questo collegamento è riservato esclusivamente agli amplificatori. Non collegare un tipo di sistema diverso onde evitare di causare danni all'apparecchio.*

Ⓑ **Al cavo di interfaccia di un telefono per auto**

### Avvertenza

Quando si collega l'apparecchio con il cavo di alimentazione in dotazione Ⓒ, si potrebbe danneggiare l'antenna elettrica se questa non dispone di scatola a relè.

***Note sui cavi di controllo e di alimentazione***
- *Il cavo (blu) di controllo dell'antenna elettrica fornisce alimentazione pari a +12 V CC quando si attiva il sintonizzatore oppure la funzione TA (notiziario sul traffico) o AF (frequenza alternativa).*
- *Se l'automobile è dotata di antenna FM/MW/LW incorporata nel vetro posteriore/laterale, collegare il cavo (blu) di controllo dell'antenna elettrica o il cavo (rosso) di ingresso dell'alimentazione accessoria al terminale di alimentazione del preamplificatore dell'antenna esistente. Per ulteriori informazioni, consultare il proprio fornitore.*
- *Non è possibile usare un'antenna elettrica senza scatola a relè con questo apparecchio.*

***Collegamento per la conservazione della memoria***
*Quando il cavo di ingresso alimentazione giallo è collegato, viene sempre fornita alimentazione al circuito di memoria anche quando l'interruttore di accensione è spento.*

***Note sul collegamento dei diffusori***
- *Prima di collegare i diffusori spegnere l'apparecchio.*
- *Usare diffusori di impedenza compresa tra 4 e 8 ohm e con capacità di potenza adeguata, altrimenti i diffusori potrebbero venire danneggiati.*
- *Non collegare i terminali del sistema diffusori al telaio dell'auto e non collegare i terminali del diffusore destro a quelli del diffusore sinistro.*
- *Non collegare il cavo di terra di questo apparecchio al terminale negativo (–) del diffusore.*
- *Non collegare i diffusori in parallelo.*
- *Assicurarsi di collegare soltanto diffusori passivi, poiché il collegamento di diffusori attivi, dotati di amplificatori incorporati, ai terminali dei diffusori potrebbe danneggiare l'apparecchio.*
- *Per evitare problemi di funzionamento, non utilizzare i cavi dei diffusori incorporati installati nell'automobile se l'apparecchio condivide un cavo comune negativo (–) per i diffusori destro e sinistro.*
- *Non collegare fra loro i cavi dei diffusori dell'apparecchio.*

***Nota sui collegamenti***
*Se l'amplificatore e i diffusore non sono collegati correttamente, "FAILURE" viene visualizzato nel display. In tal caso, accertarsi che l'amplificatore e il diffusore siano collegati correttamente.*

## Aansluitschema (3)

Ⓐ **Naar AMP REMOTE IN van een optionele eindversterker**
*Deze aansluiting is alleen bedoeld voor versterkers. Door een ander systeem aan te sluiten kan het apparaat worden beschadigd.*

Ⓑ **Naar het interface-snoer van een autotelefoon**

### Waarschuwing

Indien u een elektrische antenne hebt zonder relaiskast, kan het aansluiten van deze eenheid met het bijgeleverde netsnoer Ⓒ de antenne beschadigen.

***Opmerkingen over de bedienings- en voedingskabels***
- *De antennevoedingskabel (blauw) levert +12 V gelijkstroom wanneer u de tuner inschakelt of de AF (Alternative Frequency) of TA (Traf c Announcement) functie activeert.*
- *Wanneer uw auto is uitgerust met een FM/MW/LW-antenne in de achterruit/zijruit, moet u de antennevoedingskabel (blauw) of de hulpvoedingskabel (rood) aansluiten op de voedingsingang van de bestaande antenneversterker. Raadpleeg uw dealer voor meer details.*
- *Met dit apparaat is het niet mogelijk een automatische antenne zonder relaiskast te gebruiken.*

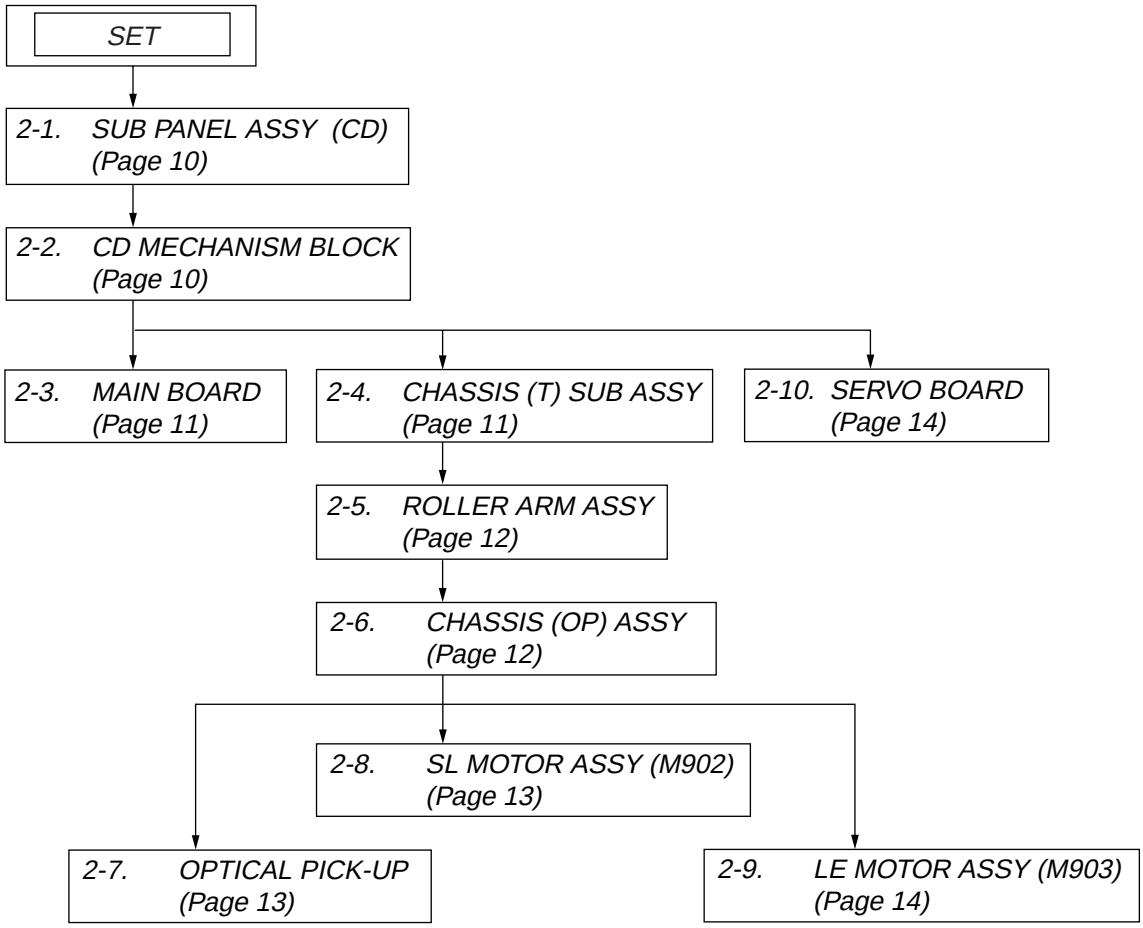
***Instandhouden van het geheugen***
*Zolang de gele stroomdraad is aangesloten, blijft de stroomvoorziening van het geheugen intact, ook wanneer het contact van de auto wordt uitgeschakeld.*

***Opmerkingen betreffende het aansluiten van de luidsprekers***
- *Zorg dat het apparaat is uitgeschakeld, alvorens de luidsprekers aan te sluiten.*
- *Gebruik luidsprekers met een impedantie van 4 tot 8 Ohm en let op dat die het vermogen van de versterker kunnen verwerken. Als dit wordt verzuimd, kunnen de luidsprekers ernstig beschadigd raken.*
- *Verbind in geen geval de aansluitingen van de luidsprekers met het chassis van de auto en sluit de aansluitingen van de rechter- en linkerluidspreker niet op elkaar aan.*
- *Verbind de aarddraad van dit apparaat niet met de negatieve (–) aansluiting van de luidspreker.*
- *Probeer nooit de luidsprekers parallel aan te sluiten.*
- *Sluit geen actieve luidsprekers (met ingebouwde versterkers) aan op de luidspreker-aansluiting van dit apparaat. Dit zal leiden tot beschadiging van de actieve luidsprekers. Sluit dus altijd uitsluitend luidsprekers zonder ingebouwde versterker aan.*
- *Om defecten te vermijden mag u de bestaande luidsprekerbedrading in uw auto niet gebruiken wanneer er een gemeenschappelijke negatieve (–) draad is voor de rechter- en linkerluidsprekers.*
- *Verbind de luidsprekerdraden niet met elkaar.*

***Opmerking over aansluiten***
*Als de luidspreker en versterker niet correct zijn aangesloten, wordt "FAILURE" in het display weergegeven. In dit geval moet u zorgen dat de luidspreker en versterker correct zijn aangesloten.*

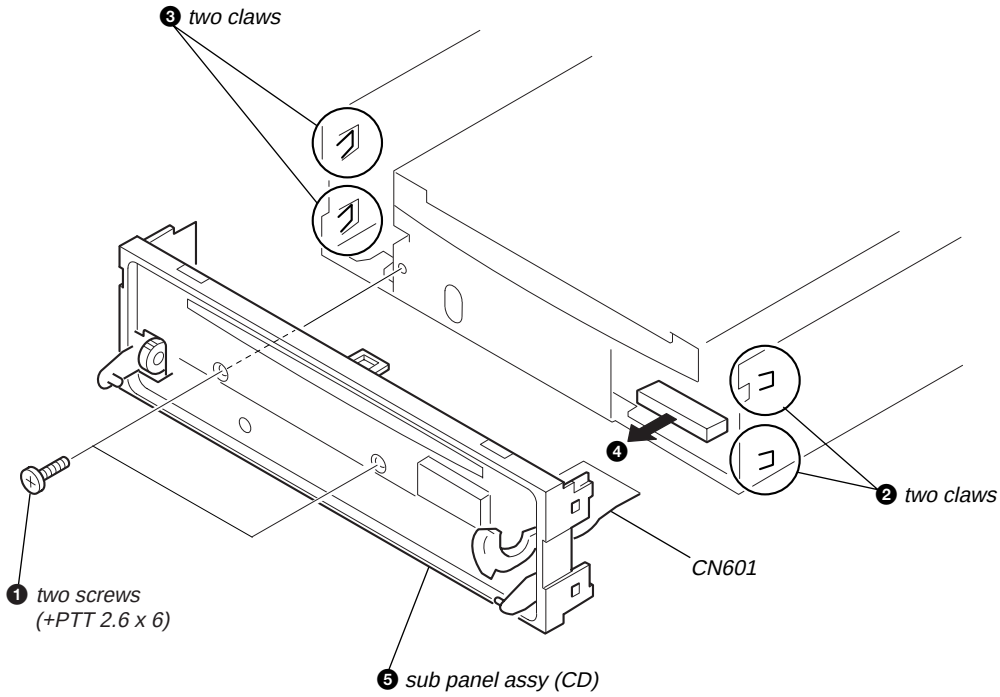
# SECTION 2
# DISASSEMBLY

**Note :** This set can be disassemble according to the following sequence.

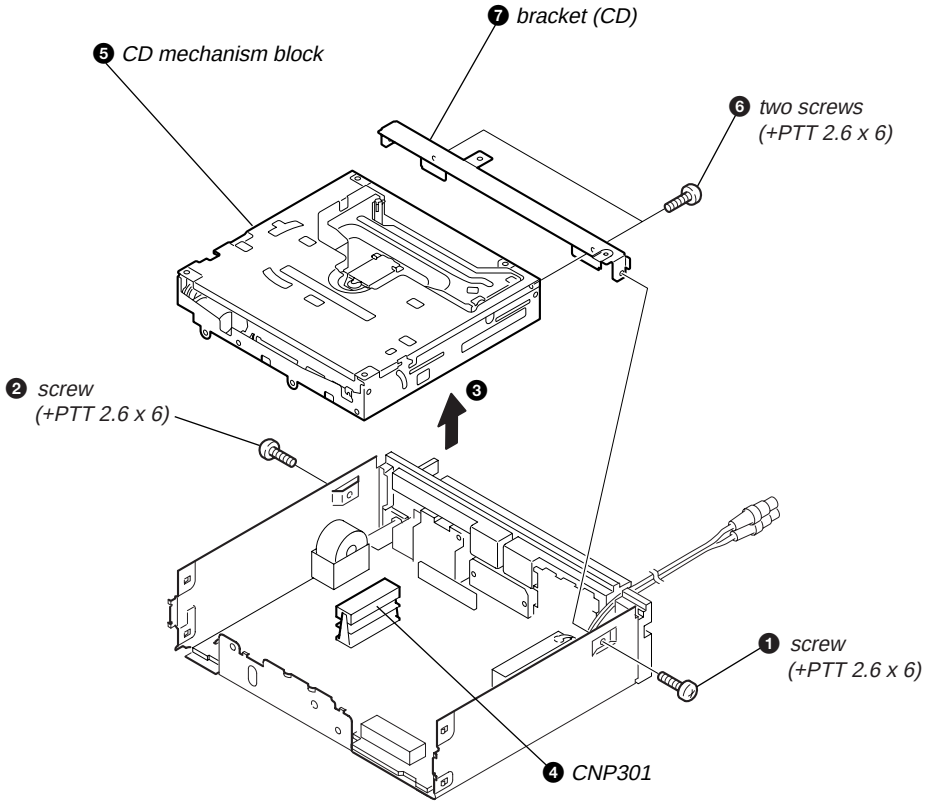

SET
2-1. SUB PANEL ASSY (CD) (Page 10)
2-2. CD MECHANISM BLOCK (Page 10)
2-3. MAIN BOARD (Page 11)
2-4. CHASSIS (T) SUB ASSY (Page 11)
2-10. SERVO BOARD (Page 14)
2-5. ROLLER ARM ASSY (Page 12)
2-6. CHASSIS (OP) ASSY (Page 12)
2-8. SL MOTOR ASSY (M902) (Page 13)
2-7. OPTICAL PICK-UP (Page 13)
2-9. LE MOTOR ASSY (M903) (Page 14)

**Note :** Follow the disassembly procedure in the numerical order given.

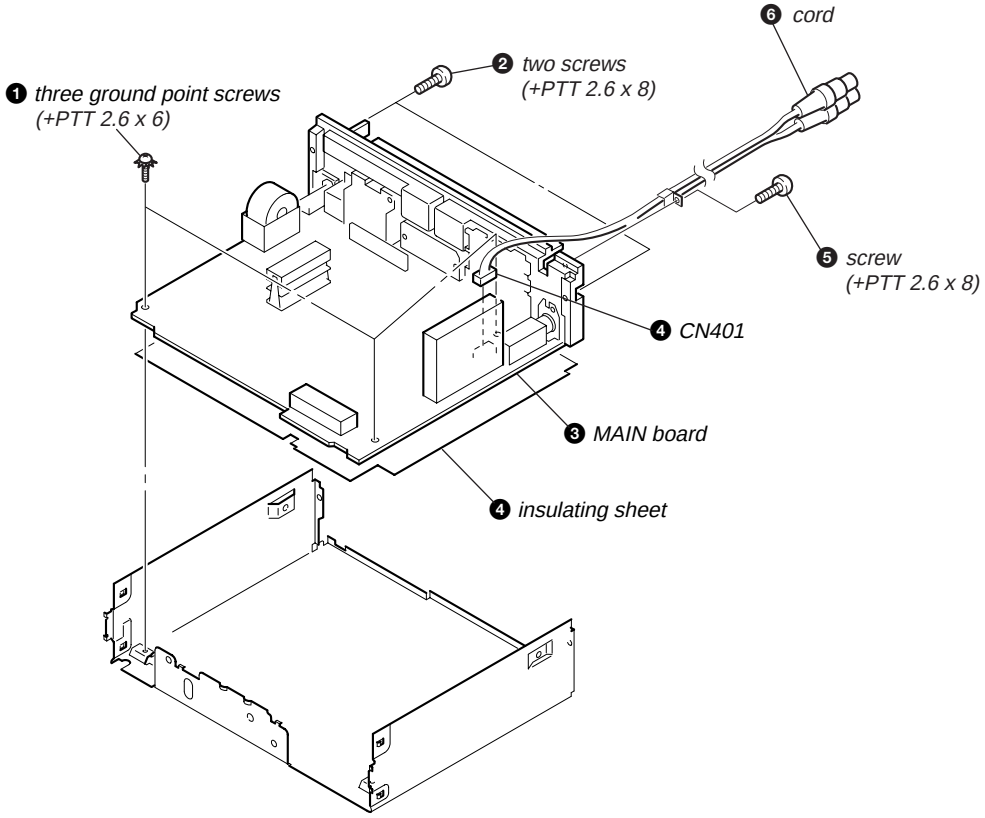
## 2-1. SUB PANEL ASSY (CD)



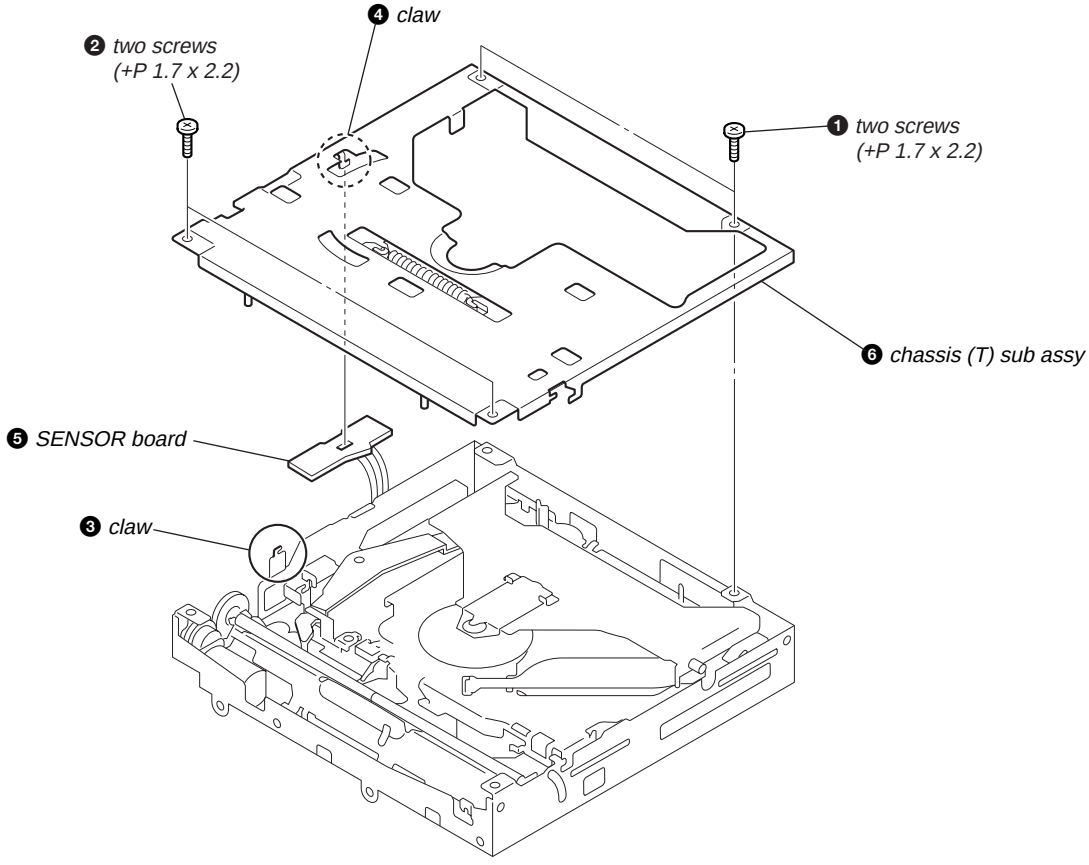

## 2-2. CD MECHANISM BLOCK



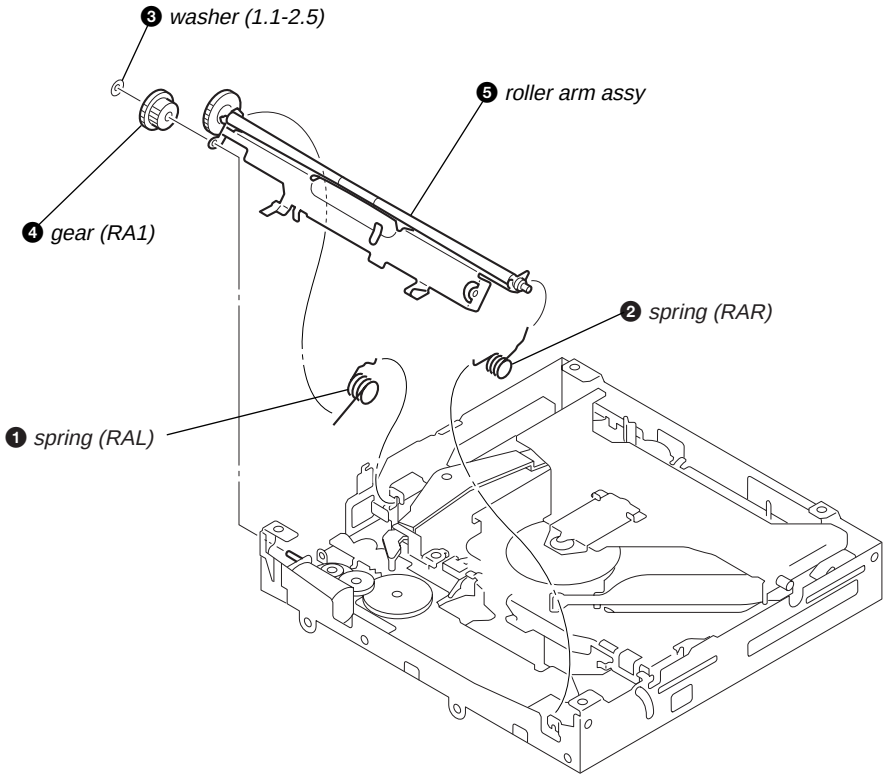
### 2-3. MAIN BOARD



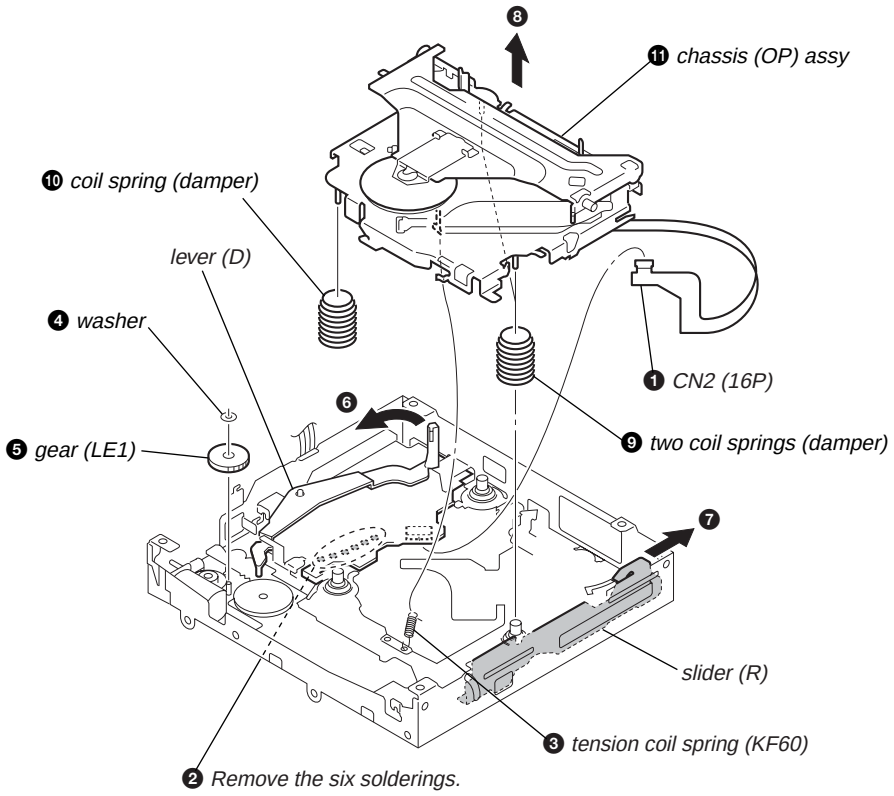

### 2-4. CHASSIS (T) SUB ASSY



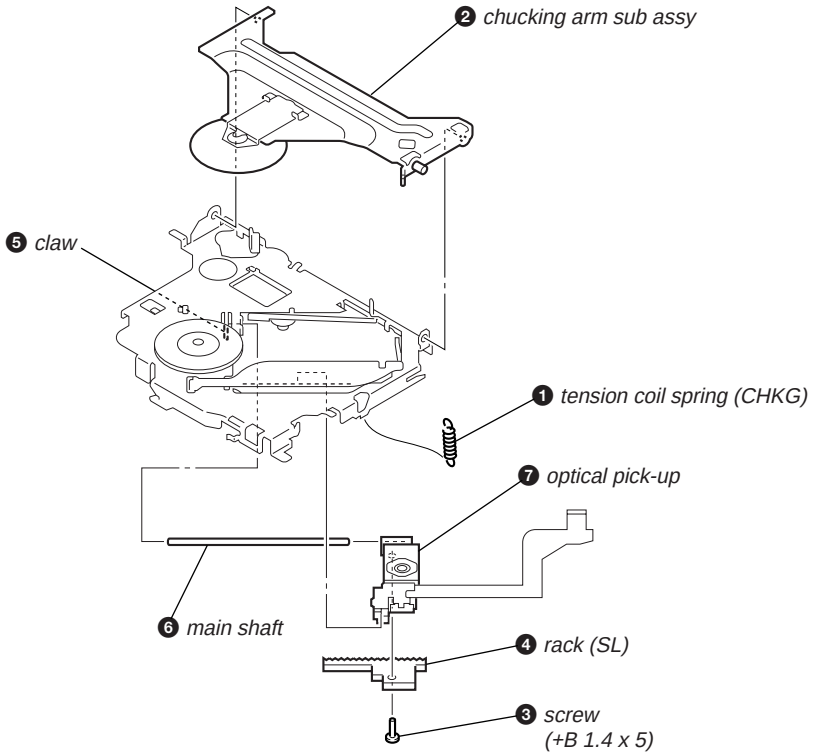
### 2-5. ROLLER ARM ASSY



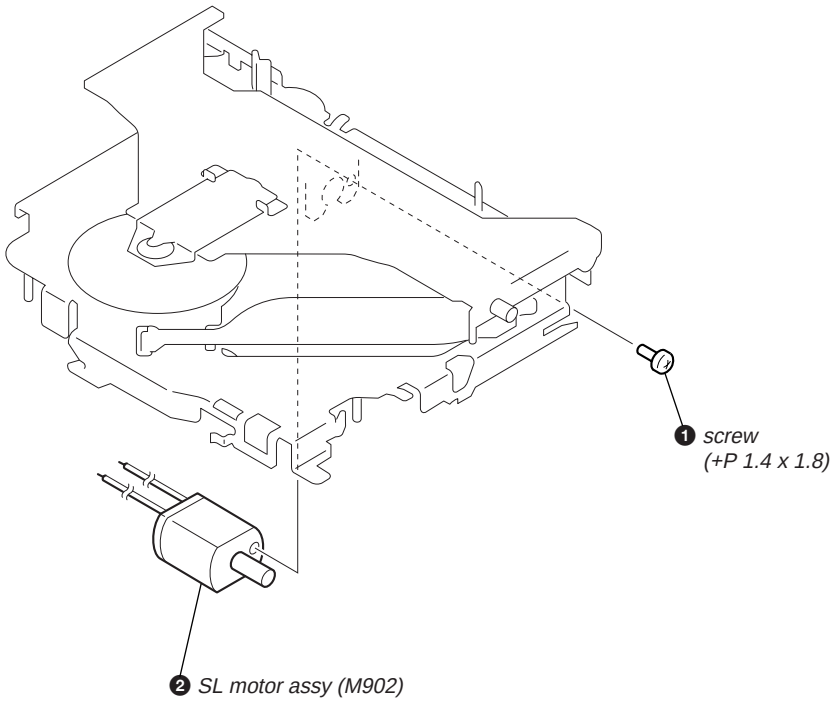

### 2-6. CHASSIS (OP) ASSY



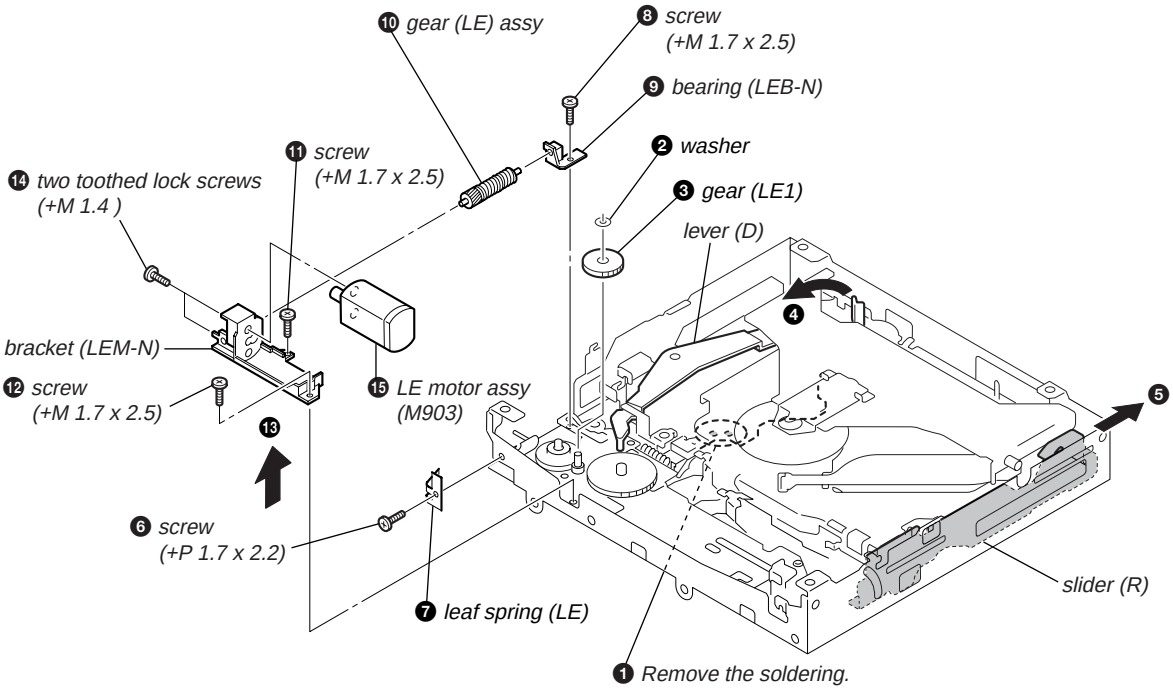
### 2-7. OPTICAL PICK-UP



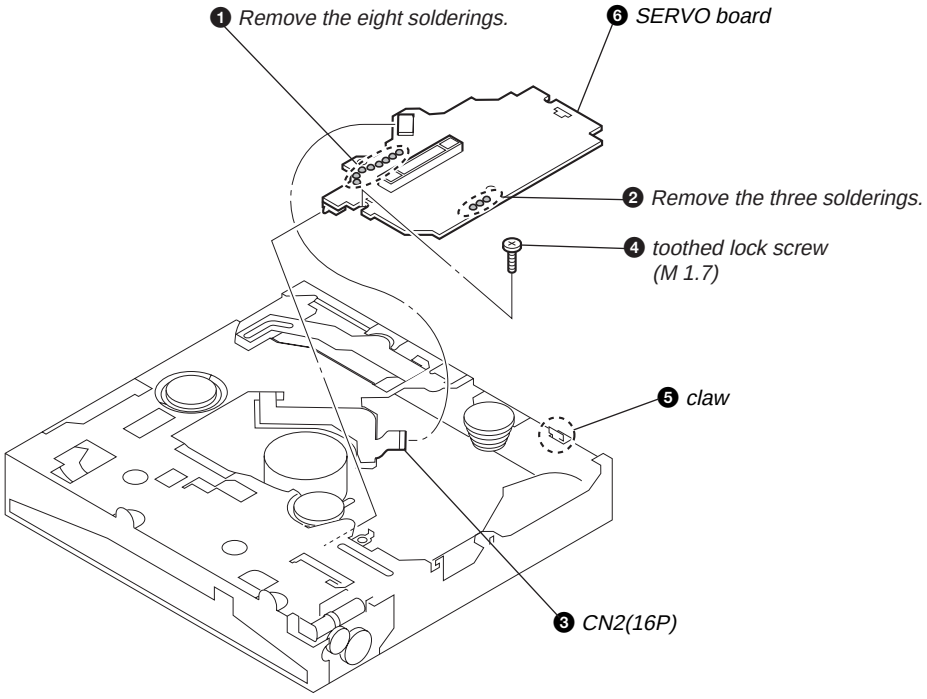

### 2-8. SL MOTOR ASSY (M902)



### 2-9. LE MOTOR ASSY (M903)

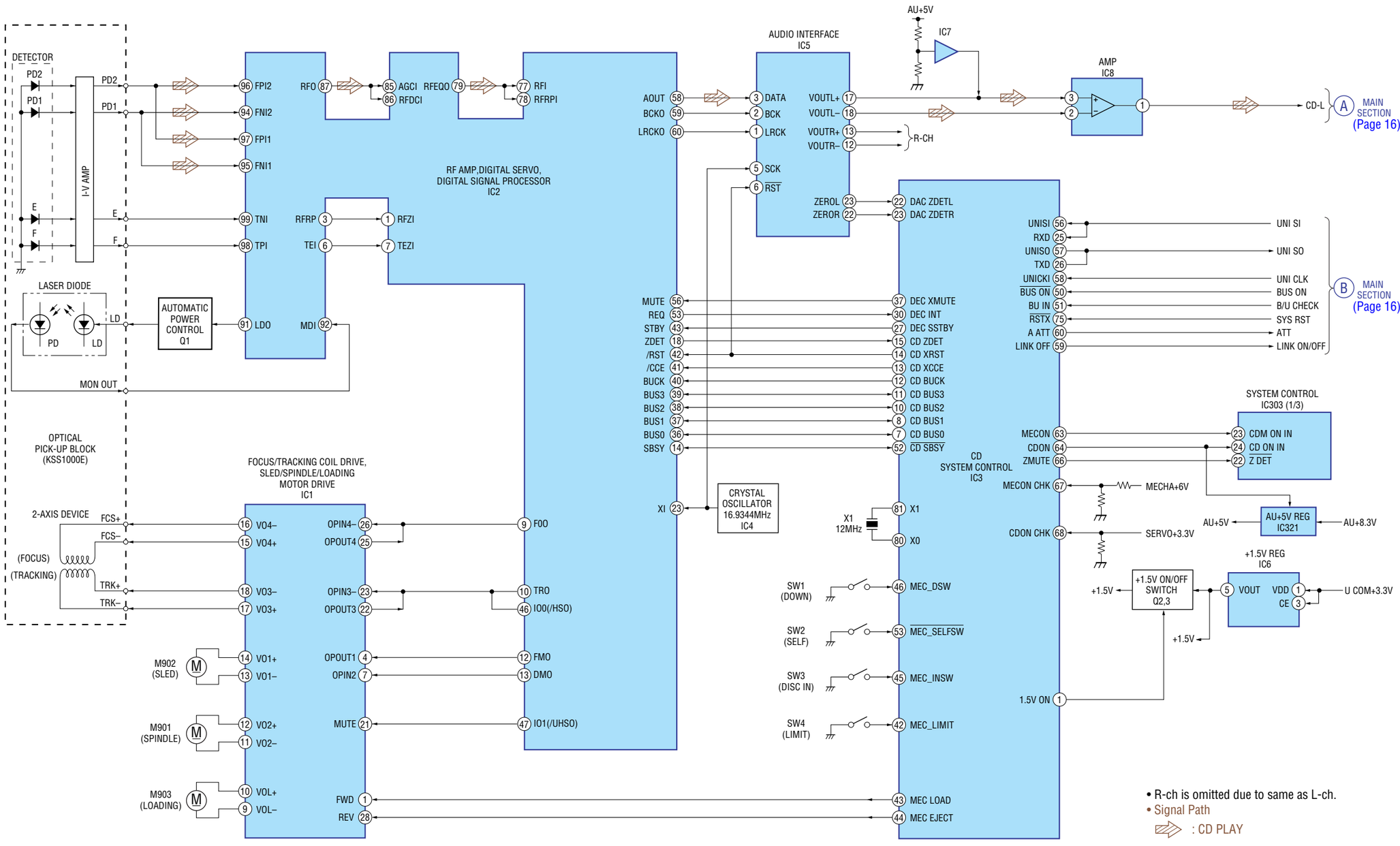



### 2-10. SERVO BOARD



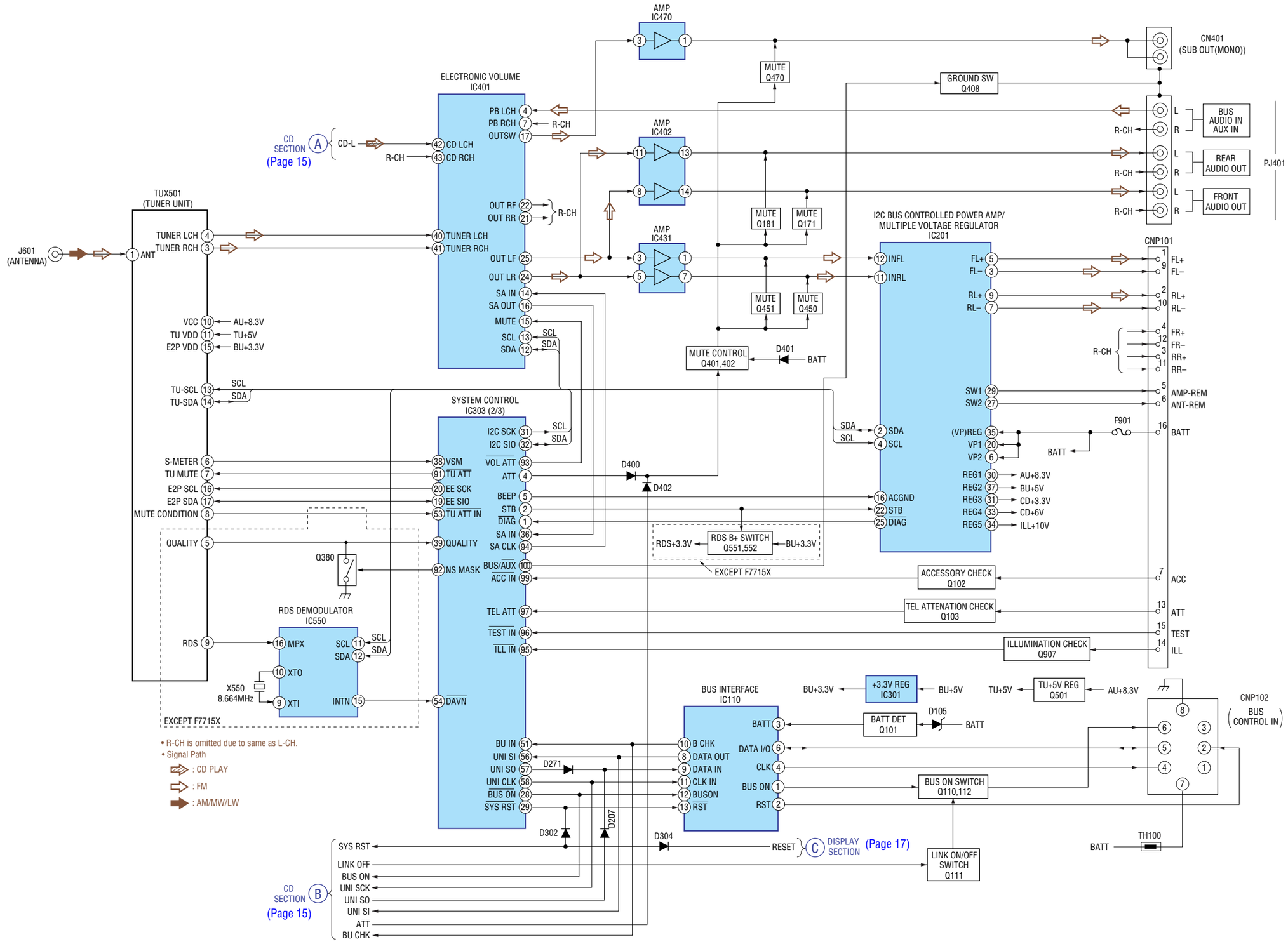
# SECTION 3
# DIAGRAMS

## 3-1. BLOCK DIAGRAM — CD SECTION —

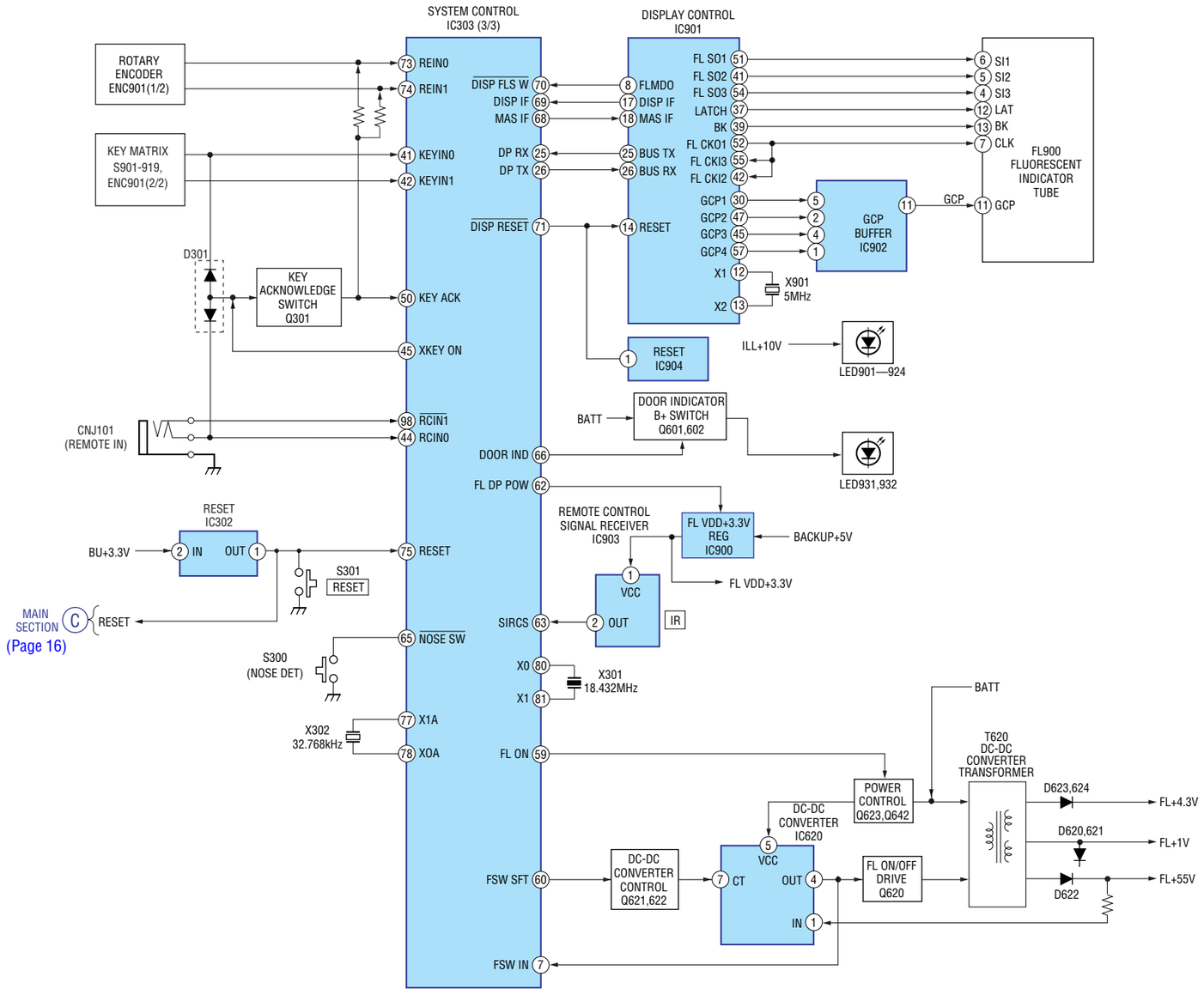



• R-ch is omitted due to same as L-ch.
• Signal Path
: CD PLAY

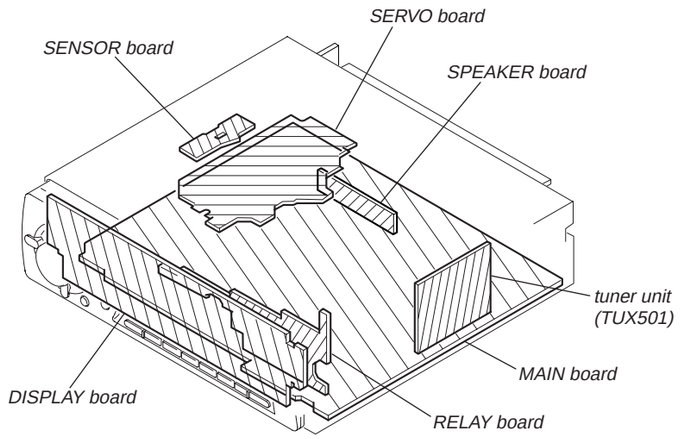
### 3-2. BLOCK DIAGRAM — MAIN SECTION —



### 3-3. BLOCK DIAGRAM — DISPLAY SECTION —



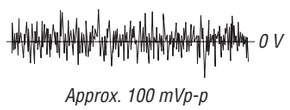
## 3-4. CIRCUIT BOARDS LOCATION




## • WAVEFORMS

### — SERVO BOARD — (CD PLAY)

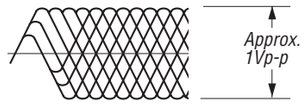
**① IC2 ④ (FEI)**




Approx. 100 mVp-p

50 mV/DIV, 5 msec/DIV

**④ IC2 ⑰ (RFI)**



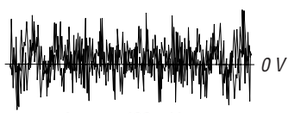

0.5 V/DIV, 0.5 µsec/DIV

**⑦ IC3 ⑧① (X1)**

12 MHz

0.5 V/DIV, 0.2 µsec/DIV

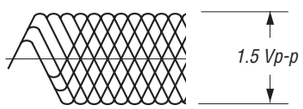
**② IC2 ⑥ (TEI)**




Approx. 400 mVp-p

200 mV/DIV, 5 msec/DIV

**⑤ IC2 ⑨④ (FNI2), ⑨⑤ (FNI1)**



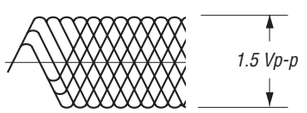

0.5 V/DIV, 0.5 µsec/DIV

**③ IC2 ㉓ (XI)**

16.9344 MHz

0.2 V/DIV, 0.2 µsec/DIV

**⑥ IC2 ⑨⑥ (FPI2), ⑨⑦ (FPI1)**




0.5 V/DIV, 0.5 µsec/DIV

## • NOTE FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS

**THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS.**
**(In addition to this, the necessary note is printed in each block.)**

### For schematic diagrams.

**Note:**

- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ▭ : panel designation.

| **Note:** | **Note:** |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une piéce portant le numéro spécifié. |

- ▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
- CD mechanism section (1/2), (2/2)
  no mark : CD PLAY
- Main (1/4), (2/4), (3/4), (4/4) and Display sections
  no mark : FM
  ( ) : AM/MW/LW
  < > : CD PLAY
  * : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : CD PLAY
  ⇨ : FM
  ➡ : AM/MW/LW
  ⇨ : BUS AUDIO

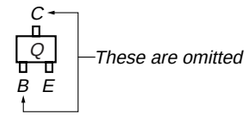
### For printed wiring boards.

**Note:**

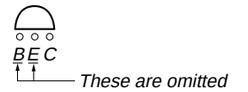
- o——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ○ : Through hole.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

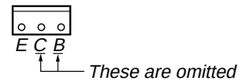
| Caution: | |
|---|---|
| Pattern face side: (Side B) | Parts on the pattern face side seen from the pattern face are indicated. |
| Parts face side: (Side A) | Parts on the parts face side seen from the parts face are indicated. |




These are omitted




These are omitted




These are omitted

### — MAIN BOARD —

**① IC550 ⑨ (XTI)**

8.664 MHz

0.5 V/DIV, 0.2 µsec/DIV

**③ IC801 ⑧⓪(X0)**

18.432 MHz

0.5 V/DIV, 0.1 µsec/DIV

**② IC303 ⑦⑧ (X1)**

32.768 kHz

0.2 V/DIV, 20 µsec/DIV

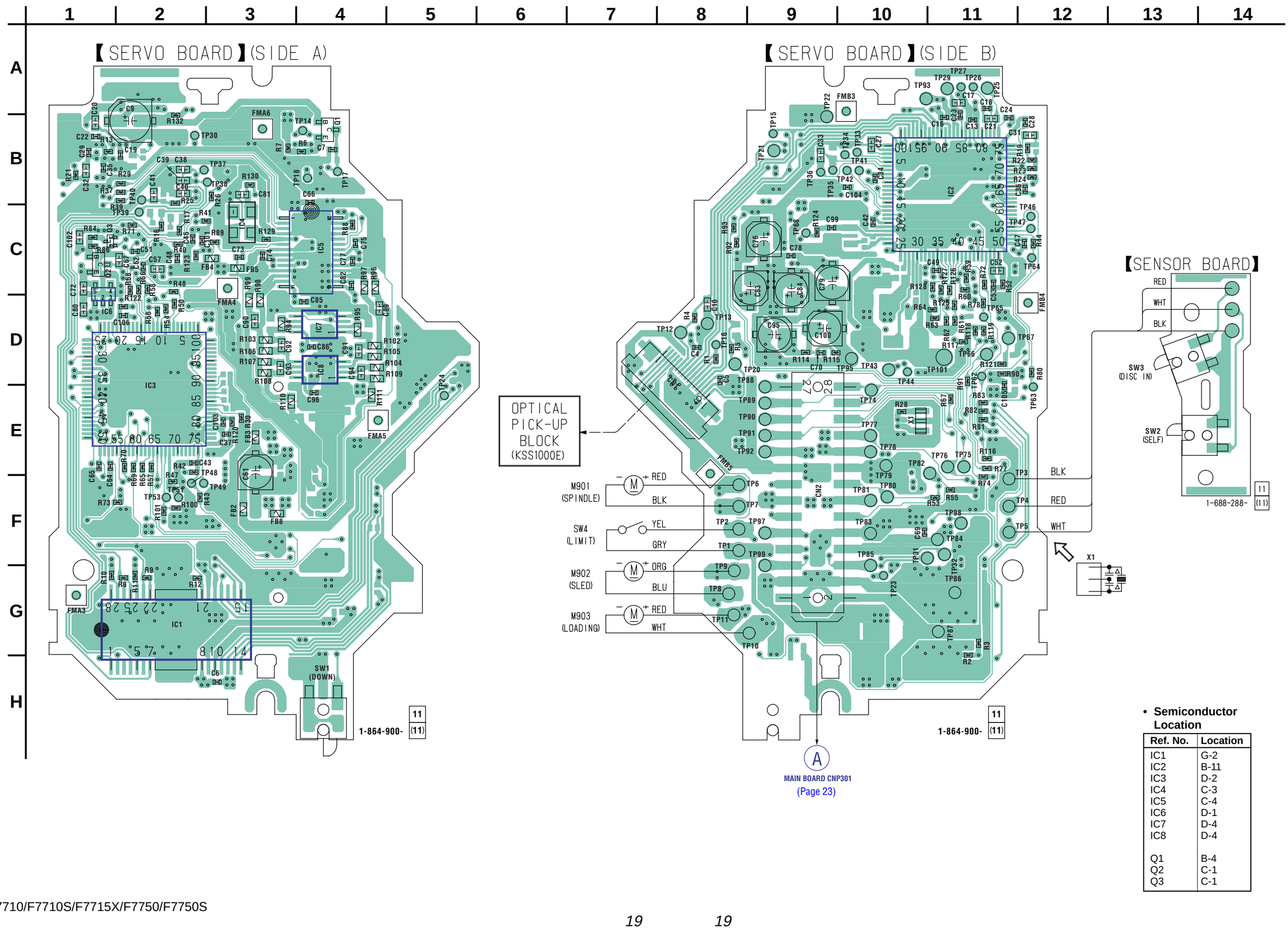
### — DISPLAY BOARD —

**① IC901 ⑫ (X1)**

5 MHz

0.2 V/DIV, 0.2 µsec/DIV

**3-5. PRINTED WIRING BOARDS — CD MECHANISM SECTION —** **• Refer to page 18 for Circuit Boards Location.** **: Uses unleaded solder.**

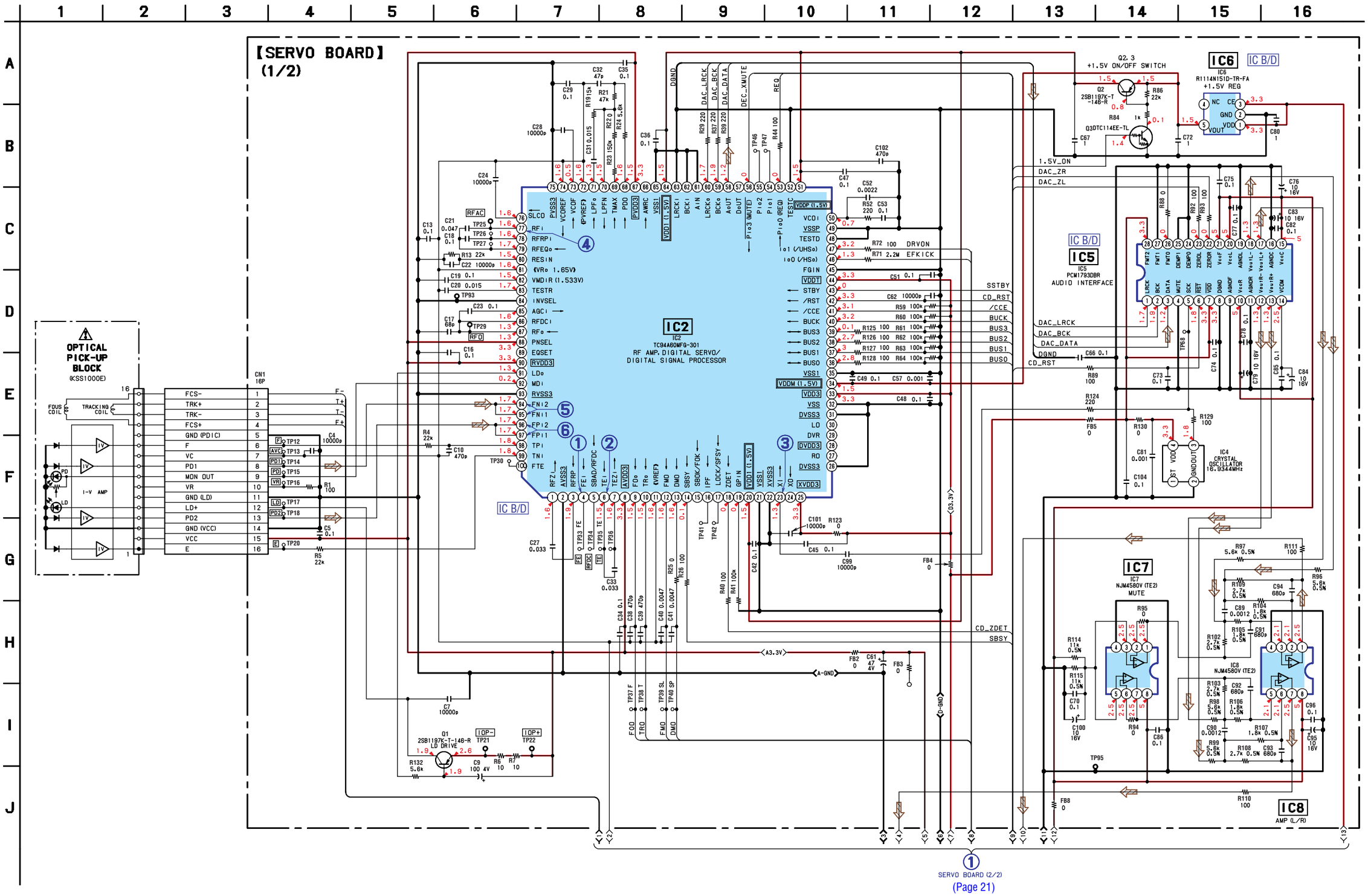



- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| IC1 | G-2 |
| IC2 | B-11 |
| IC3 | D-2 |
| IC4 | C-3 |
| IC5 | C-4 |
| IC6 | D-1 |
| IC7 | D-4 |
| IC8 | D-4 |
| Q1 | B-4 |
| Q2 | C-1 |
| Q3 | C-1 |

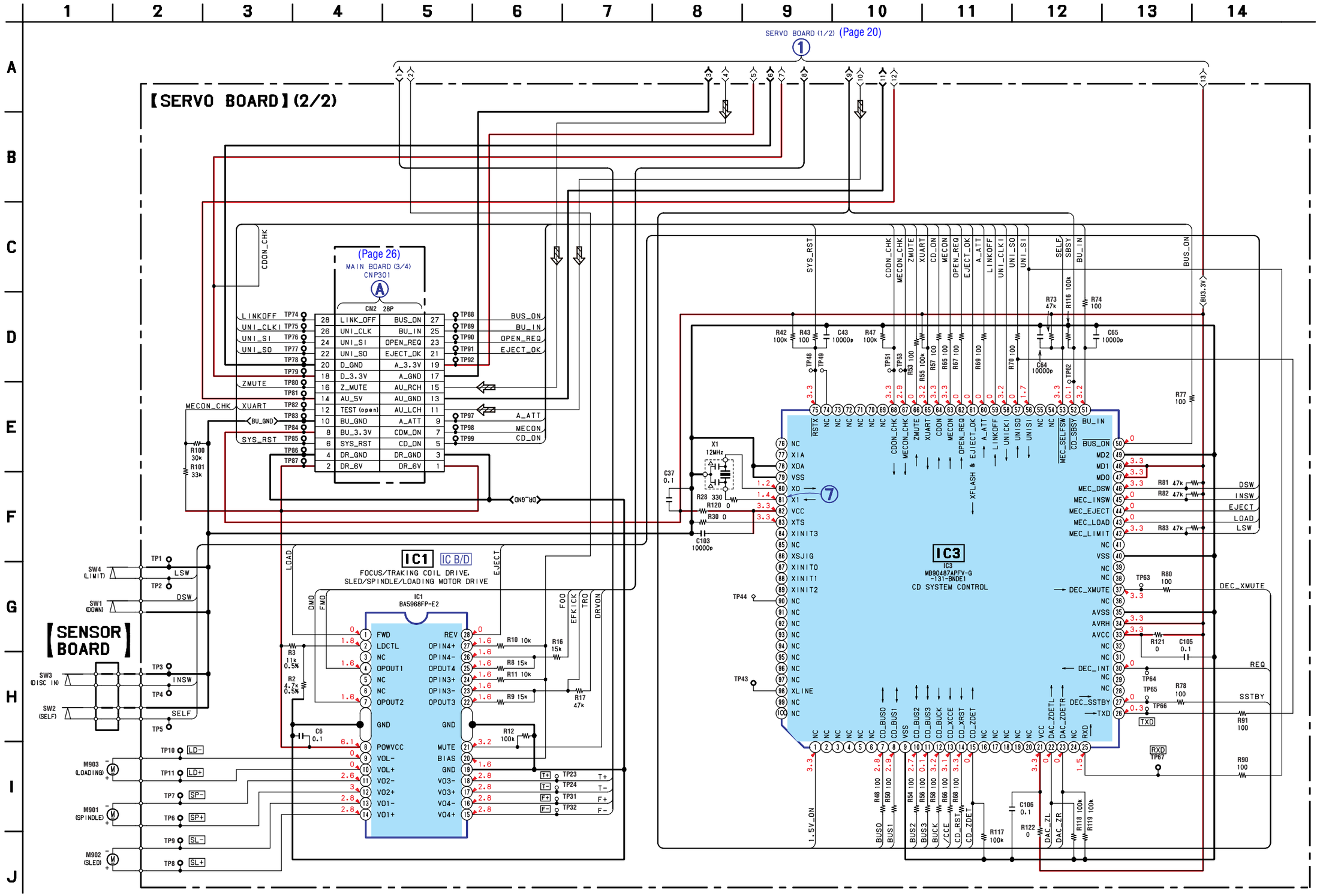
## 3-6. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (1/2) —

• Refer to page 18 for Waveforms.
• Refer to page 31 for IC Block Diagrams.



• Refer to page 18 for Waveform.
• Refer to page 32 for IC Block Diagram.
• Refer to page 36 for IC Pin Description.

## 3-7. SCHEMATIC DIAGRAM — CD MECHANISM SECTION (2/2) —



## 3-8. PRINTED WIRING BOARDS — MAIN SECTION —

• Refer to page 18 for Circuit Boards Location.

: Uses unleaded solder.

14 13 12 11 10 9 8 7 6 5 4 3 2 1

A B C D E F G H I J

• Semiconductor Location

| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D101 | B-10 | IC110 | D-10 |
| (D102) | C-10 | (IC201) | B-7 |
| (D103) | C-10 | IC301 | E-7 |
| D104 | D-9 | IC302 | F-6 |
| D105 | D-9 | IC303 | G-7 |
| D106 | C-9 | IC321 | E-10 |
| (D108) | D-8 | IC401 | F-4 |
| (D109) | C-9 | IC402 | D-4 |
| (D110) | B-8 | IC431 | E-5 |
| D111 | C-7 | IC451 | E-5 |
| (D112) | B-8 | IC470 | F-3 |
| (D113) | C-7 | IC550 | H-2 |
| (D114) | C-8 | IC620 | G-11 |
| (D115) | C-7 | IC900 | I-4 |
| (D116) | C-8 | | |
| D117 | C-8 | Q101 | E-9 |
| D118 | C-8 | Q102 | E-8 |
| (D119) | D-7 | Q103 | D-8 |
| (D120) | C-6 | Q110 | C-10 |
| (D121) | C-6 | Q111 | D-10 |
| (D122) | B-2 | Q112 | C-10 |
| D270 | E-10 | Q171 | C-4 |
| D271 | E-10 | Q181 | C-3 |
| D301 | G-8 | Q271 | C-4 |
| D302 | G-9 | Q281 | C-4 |
| D304 | G-9 | Q301 | H-7 |
| D307 | H-6 | Q380 | G-3 |
| (D308) | H-6 | Q401 | E-7 |
| D400 | F-7 | Q402 | E-7 |
| D401 | D-7 | (Q408) | B-3 |
| D402 | F-7 | Q450 | E-5 |
| (D501) | G-2 | Q451 | E-6 |
| (D601) | I-3 | Q452 | E-5 |
| (D602) | J-3 | Q453 | E-5 |
| (D603) | J-3 | Q470 | D-3 |
| (D604) | I-3 | (Q501) | F-2 |
| (D605) | J-3 | Q551 | H-3 |
| (D606) | I-2 | Q552 | H-3 |
| D607 | I-3 | Q601 | I-5 |
| D620 | I-9 | Q602 | J-5 |
| D621 | I-9 | Q620 | I-10 |
| D622 | H-9 | Q621 | F-11 |
| D623 | H-9 | Q622 | G-10 |
| D624 | H-9 | Q623 | F-11 |
| D625 | F-10 | Q642 | F-11 |
| D626 | G-10 | Q907 | E-8 |
| (D907) | H-6 | | |
| D909 | D-8 | | |

( ): SIDE B

【SPEAKER BOARD】
(SIDE A)

11
(11)

1-865-261-

【MAIN BOARD】(SIDE A)

EXCEPT F7715X

F7715X

(CHASSIS)

11
(11)

1-865-260-

【MAIN BOARD】(SIDE B)

J601 (ANTENNA)

CN401 SUB OUT (MONO) (L) (R)

PJ401 BUS AUDIO IN AUX IN / AUDIO OUT REAR / FRONT

CNP102 (BUS CONTROL IN)

CNJ101 (REMOTE IN)

CDX-F7710/F7710S/F7715X

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | | | | | | | | |
| 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | | | | | |
| BLK | YEL | RED | BLU | ORG/WHT | BLU/WHT | SKY BLU | GRY | GRY/BLK | VIO | VIO/BLK | GRN | GRN/BLK | WHT | WHT/BLK | |
| GND | BATT | ACC | ANT REM | I/L | AMP REM | ATT | FRONT R-CH (+) | FRONT R-CH (-) | REAR R-CH (+) | REAR R-CH (-) | REAR L-CH (+) | REAR L-CH (-) | FRONT L-CH (+) | FRONT L-CH (-) | |

CDX-F7750/F7750S

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| YEL | 16 | 15 | 14 | 13 | 12 | 11 | 10 | 9 | | | | | | | |
| | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | | | | |
| | BLK | RED | BLU | BLU/WHT | GRY | VIO | VIO/BLK | GRN/BLK | GRN | WHT/BLK | WHT | | | | |
| | GND | ACC | ANT REM | SKY BLU | GRY/BLK | AMP REM | ATT | | | | | | | | |
| YEL | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | | | | | | | |
| | | BATT | | | | | | | R-L | F-L | F-R | R-R | | | |

A SERVO BOARD CN2 (Page 19)

【SPEAKER BOARD】(SIDE B)

8 7 6 5 4 3 2 1

11 (11)

1-865-261-

11 (11)

1-865-260-

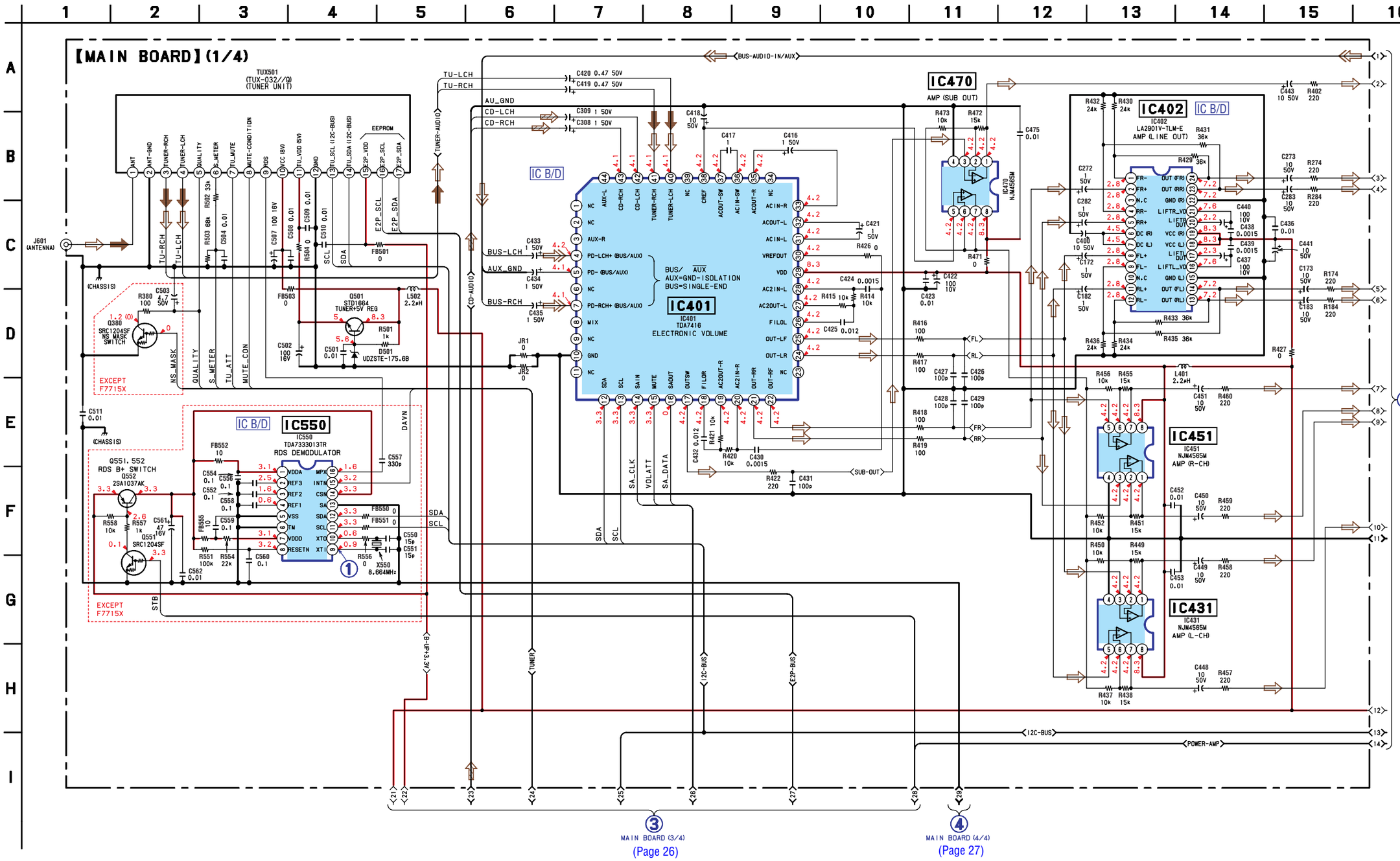
S300 (NOSE DET)

S301 RESET

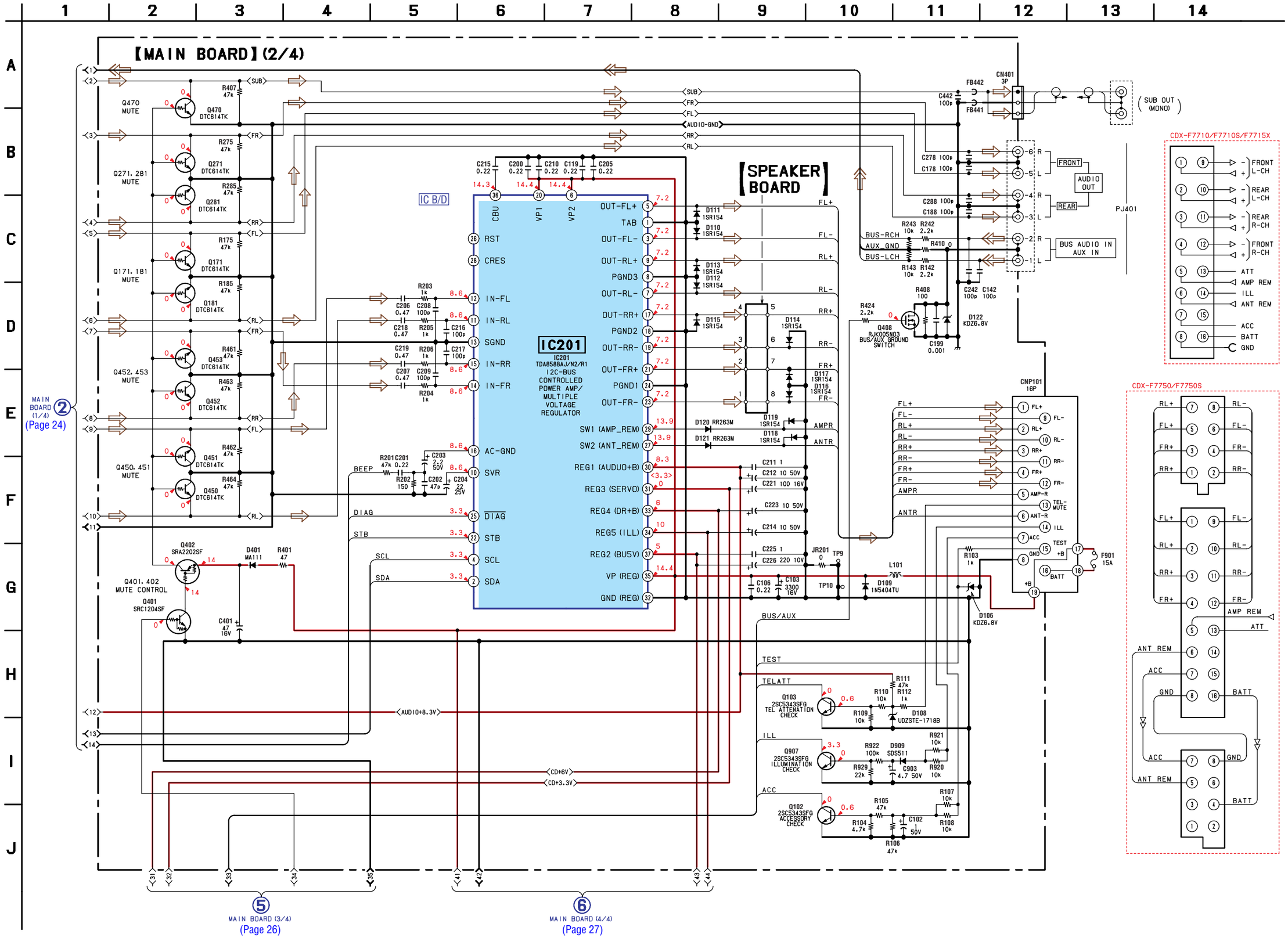
B RELAY BOARD CNP903 (Page 28)

## 3-9. SCHEMATIC DIAGRAM — MAIN SECTION (1/4) —

- Refer to page 18 for Waveform.
- Refer to page 33 for IC Block Diagrams.

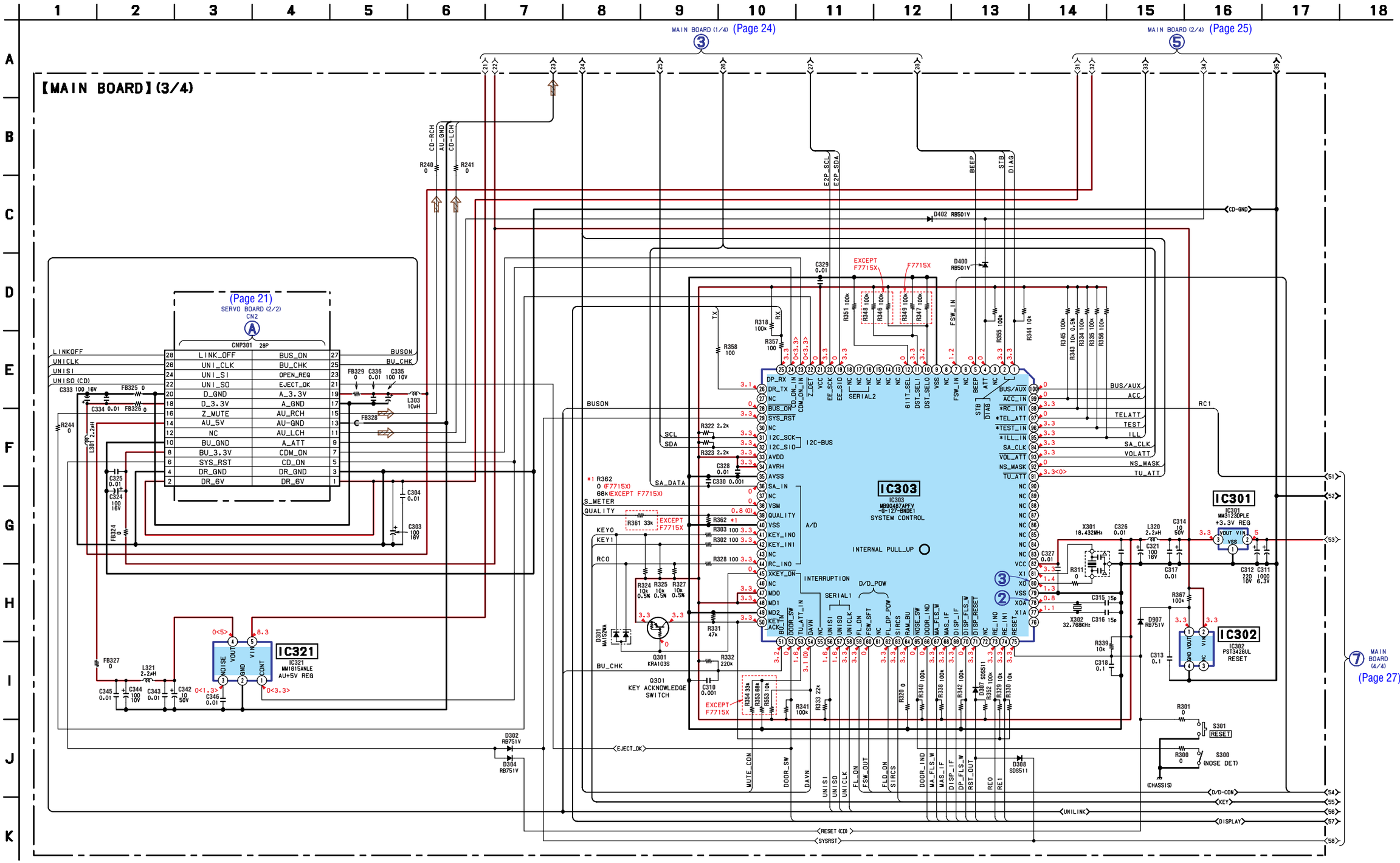


### 3-10. SCHEMATIC DIAGRAM — MAIN SECTION (2/4) — • Refer to page 35 for IC Block Diagram.

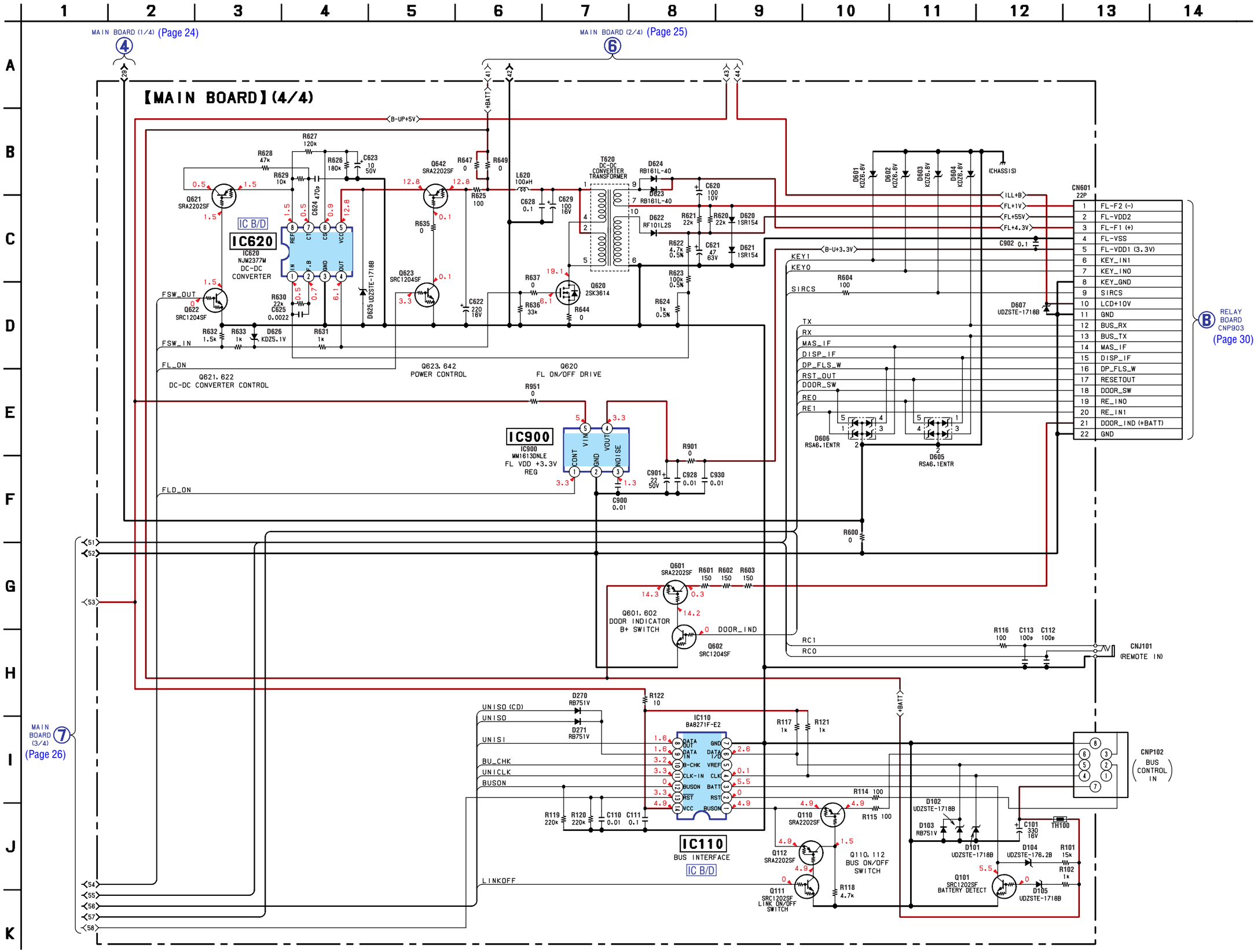


## 3-11. SCHEMATIC DIAGRAM — MAIN SECTION (3/4) —

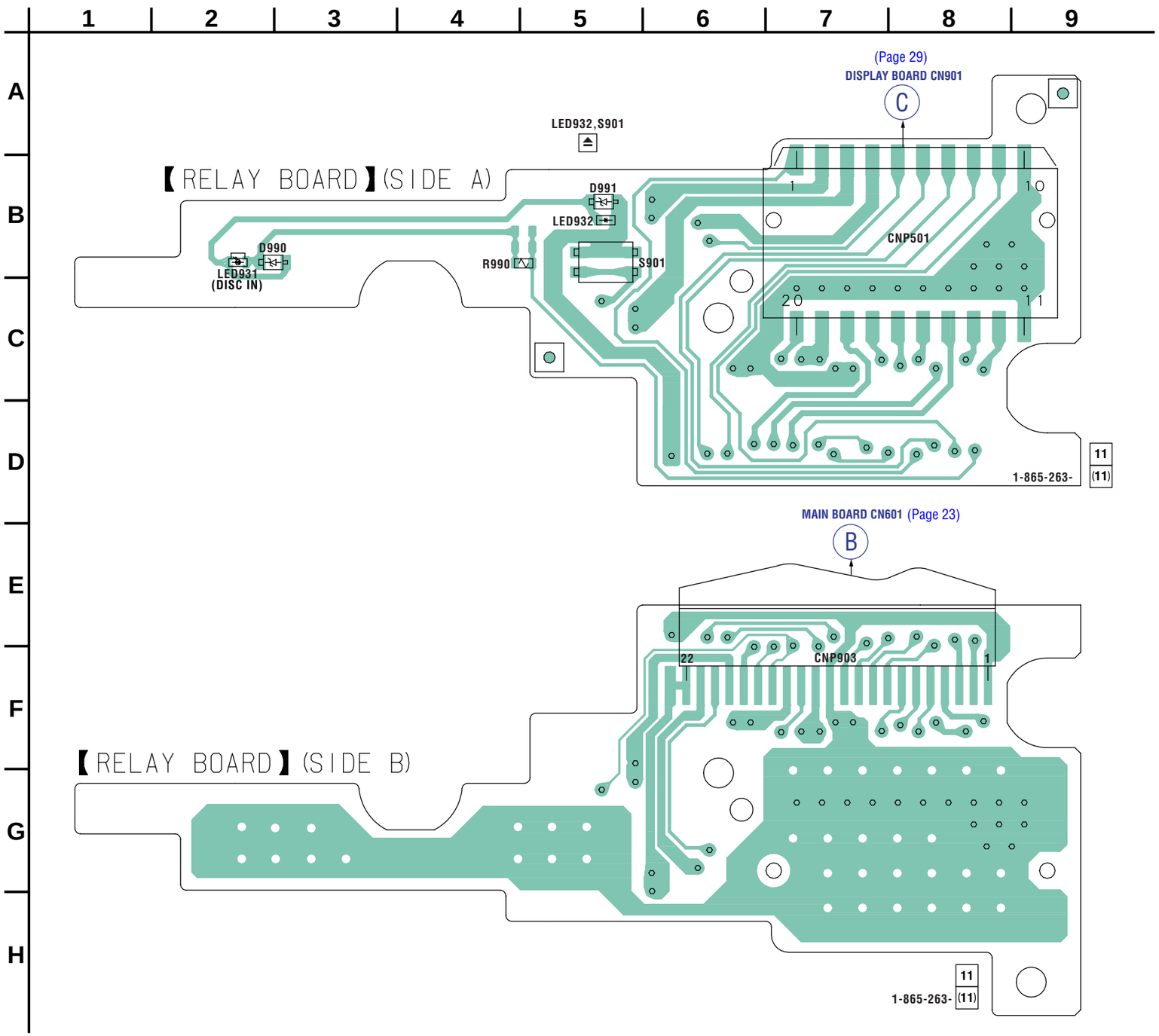
- Refer to page 18 for Waveforms.
- Refer to page 38 for IC Pin Description.



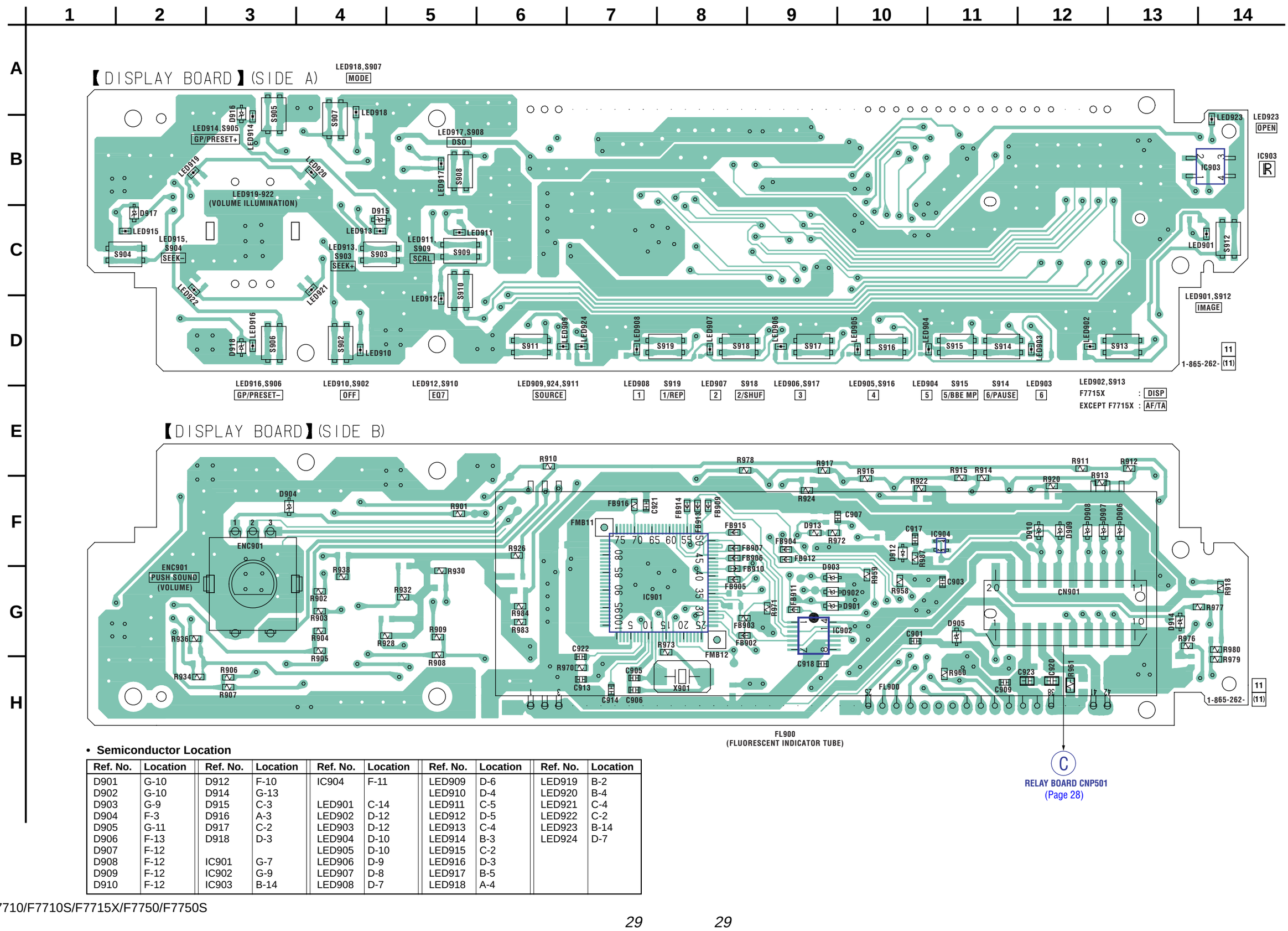
3-12. SCHEMATIC DIAGRAM — MAIN SECTION (4/4) — • Refer to page 33 for IC Block Diagrams.



**3-13. PRINTED WIRING BOARD — RELAY SECTION — • Refer to page 18 for Circuit Boards Location. : Uses unleaded solder.**



**3-14. PRINTED WIRING BOARD — DISPLAY SECTION — • Refer to page 18 for Circuit Boards Location. : Uses unleaded solder.**

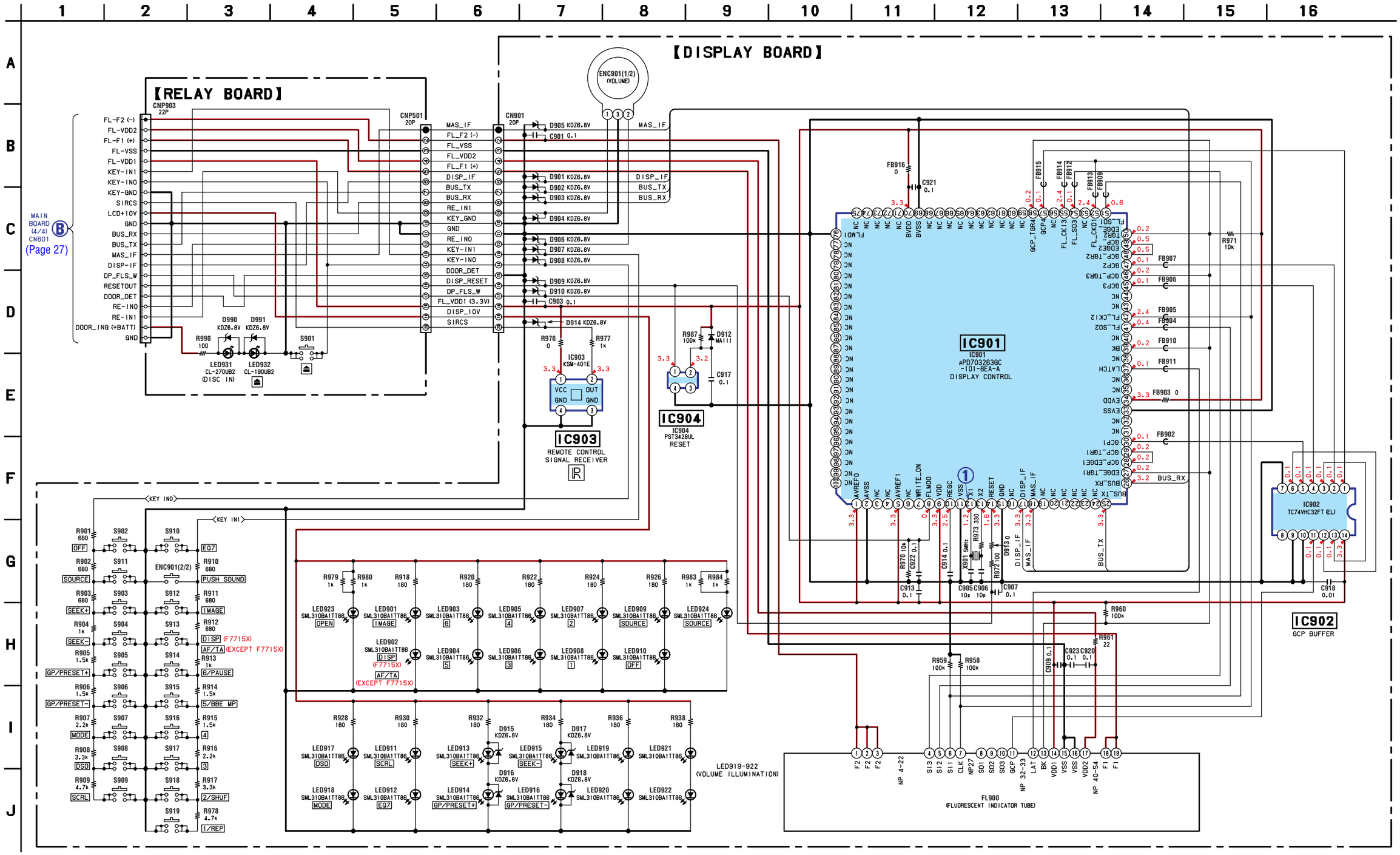



C
RELAY BOARD CNP501
(Page 28)

• **Semiconductor Location**

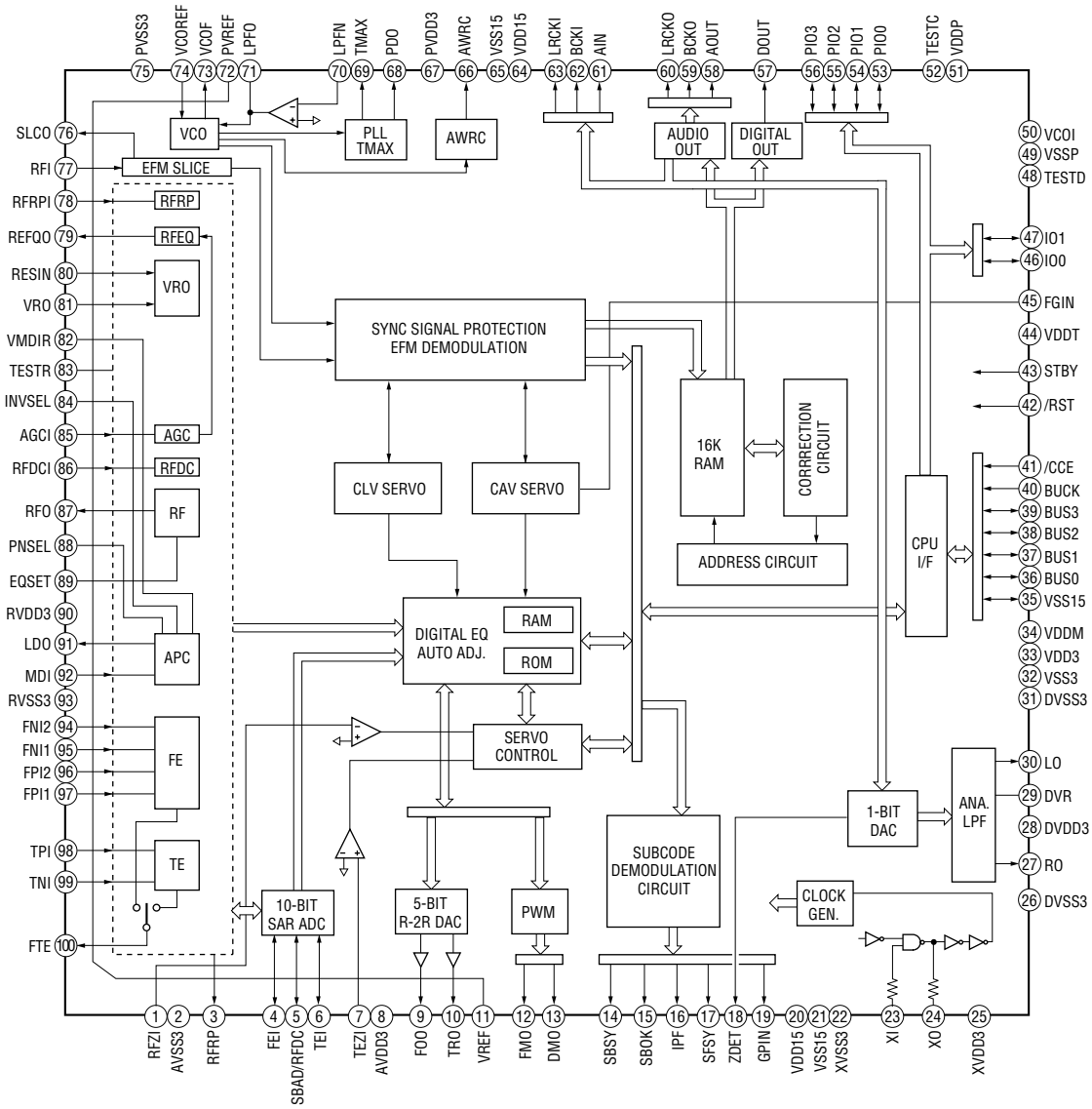
| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|
| D901 | G-10 | D912 | F-10 | IC904 | F-11 | LED909 | D-6 | LED919 | B-2 |
| D902 | G-10 | D914 | G-13 | | | LED910 | D-4 | LED920 | B-4 |
| D903 | G-9 | D915 | C-3 | LED901 | C-14 | LED911 | C-5 | LED921 | C-4 |
| D904 | F-3 | D916 | A-3 | LED902 | D-12 | LED912 | D-5 | LED922 | C-2 |
| D905 | G-11 | D917 | C-2 | LED903 | D-12 | LED913 | C-4 | LED923 | B-14 |
| D906 | F-13 | D918 | D-3 | LED904 | D-10 | LED914 | B-3 | LED924 | D-7 |
| D907 | F-12 | | | LED905 | D-10 | LED915 | C-2 | | |
| D908 | F-12 | IC901 | G-7 | LED906 | D-9 | LED916 | D-3 | | |
| D909 | F-12 | IC902 | G-9 | LED907 | D-8 | LED917 | B-5 | | |
| D910 | F-12 | IC903 | B-14 | LED908 | D-7 | LED918 | A-4 | | |

### 3-15. SCHEMATIC DIAGRAM — DISPLAY SECTION — • Refer to page 18 for Waveform.

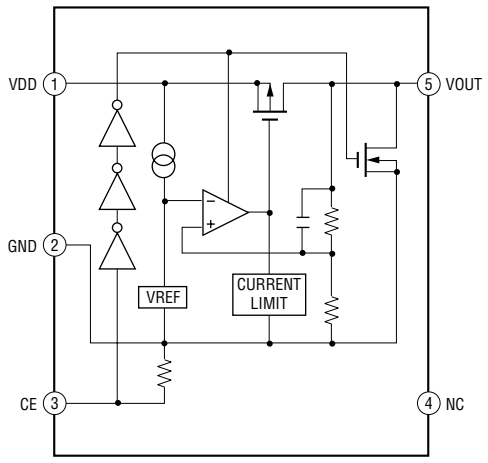


## • IC BLOCK DIAGRAMS

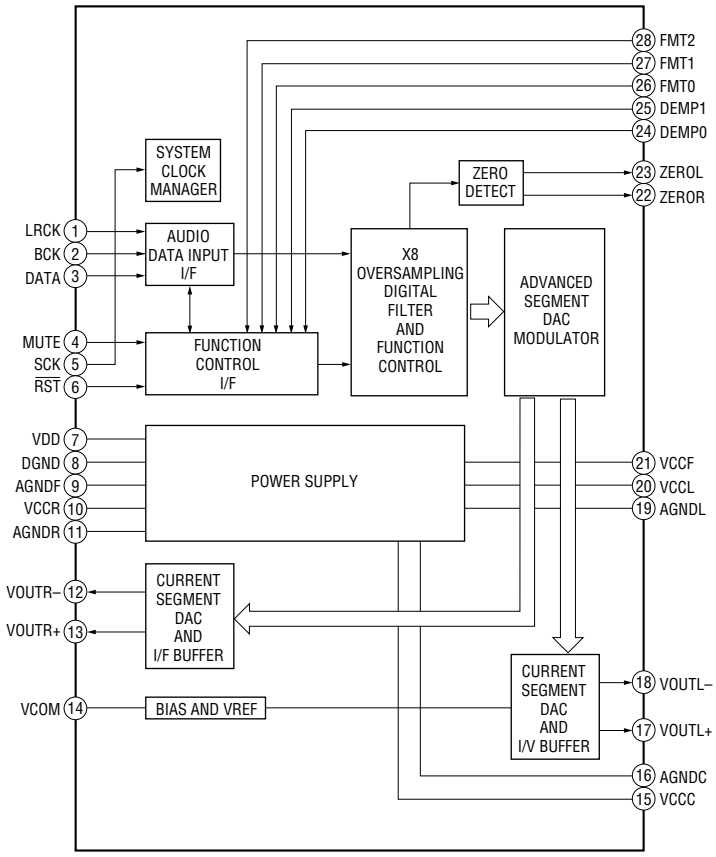
### IC2 TC94A60MFG-301 (SERVO Board (1/2))



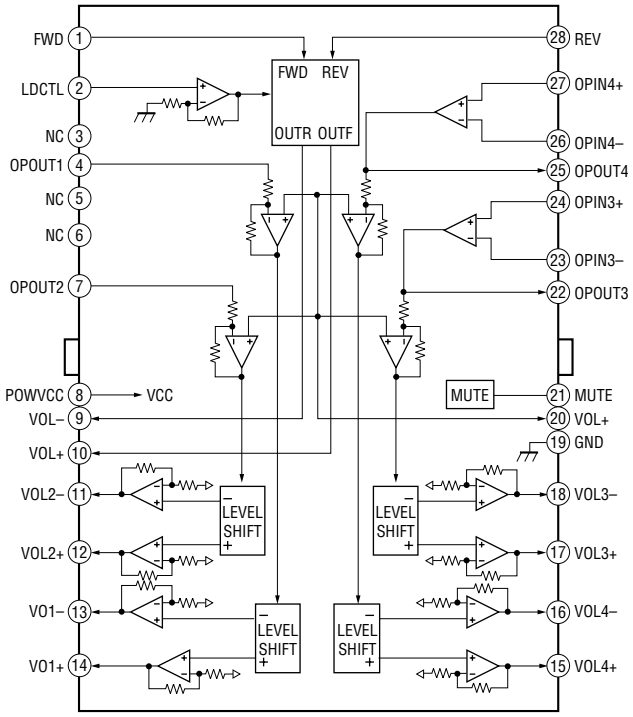

### IC6 R1114N151D-TR-FA (SERVO Board (1/2))



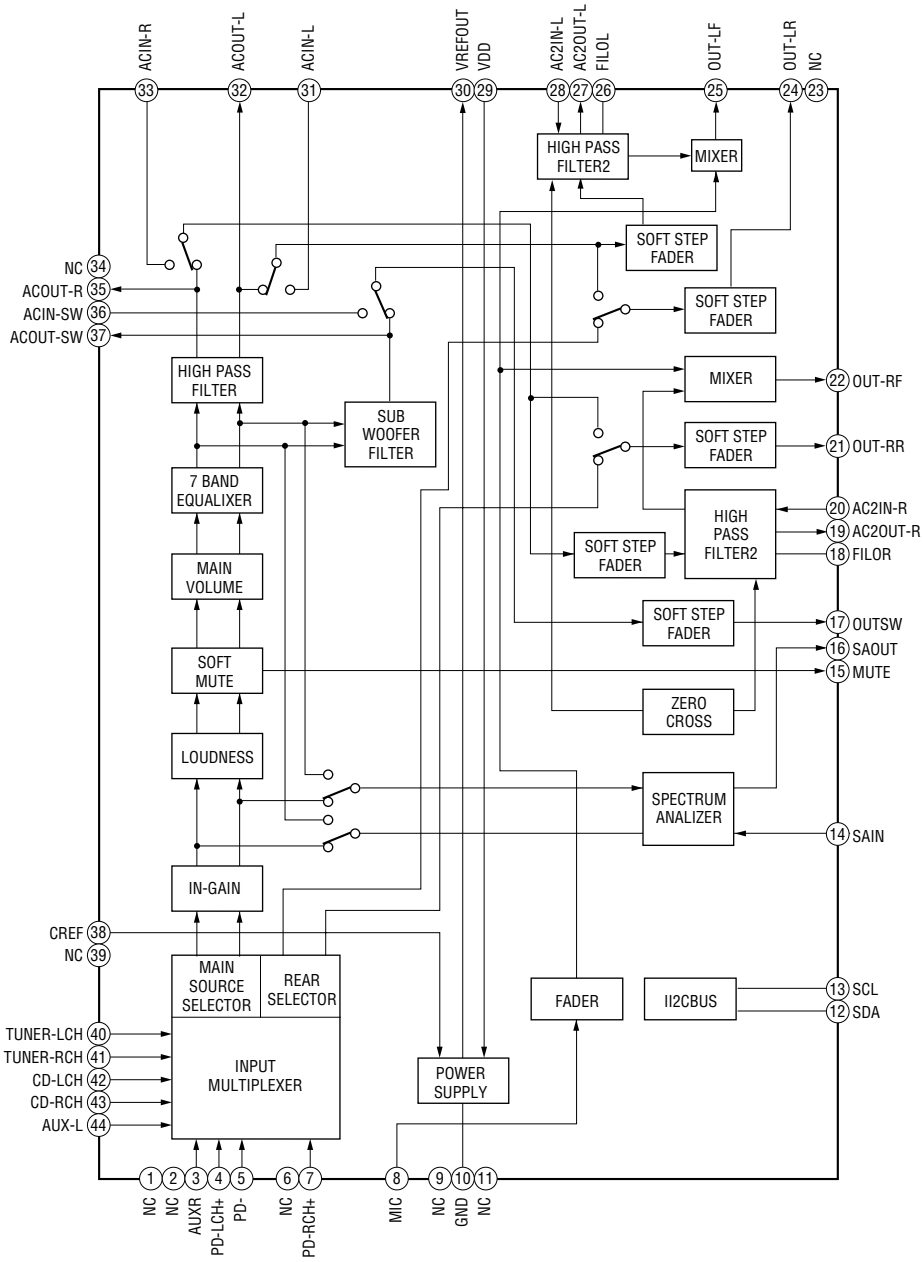
## IC5 PCM1793DBR (SERVO Board (1/2))



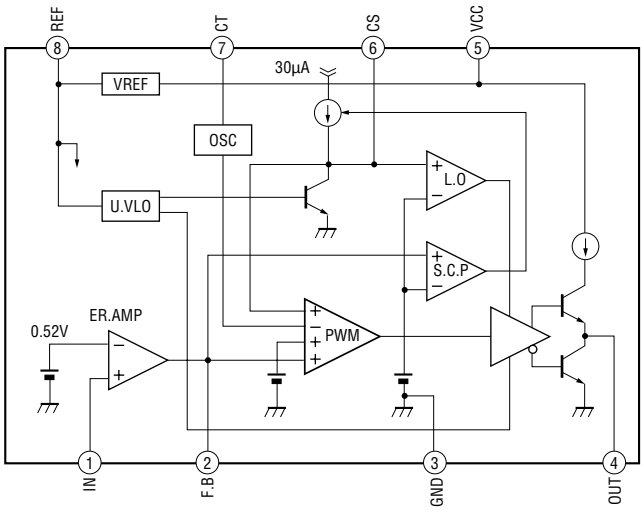

## IC1 BA5968FP-E2 (SERVO Board (2/2))



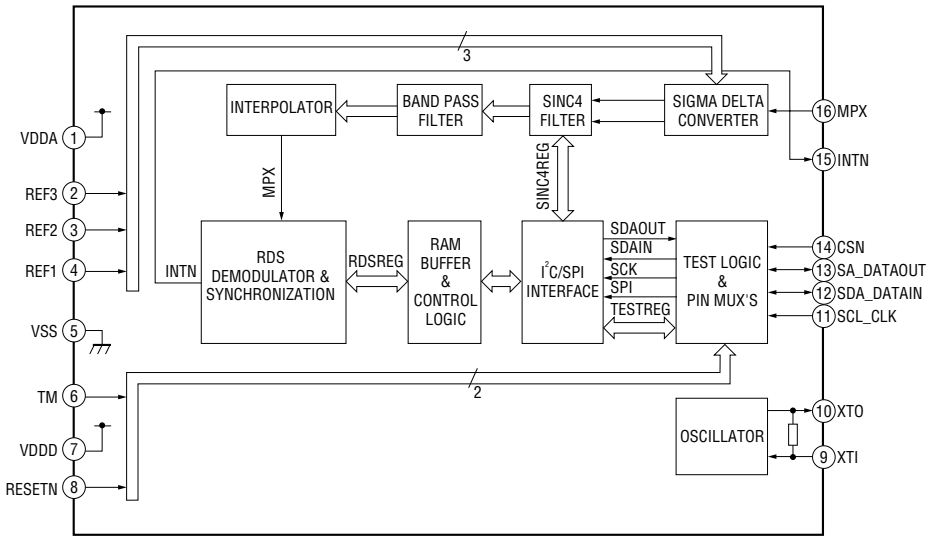
## IC401 TDA7416 (MAIN Board (1/4))



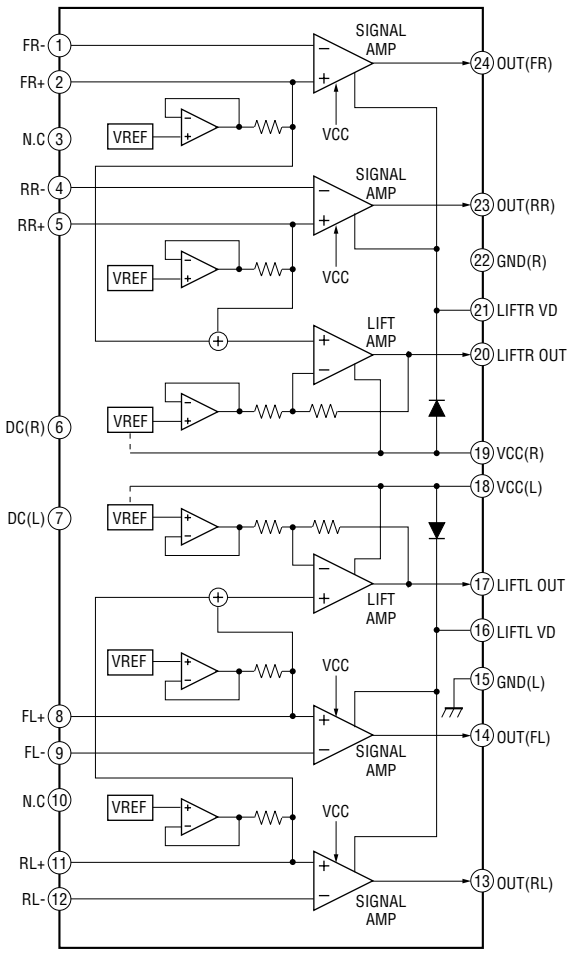

## IC620 NJM2377M (TE2) (MAIN Board (4/4))



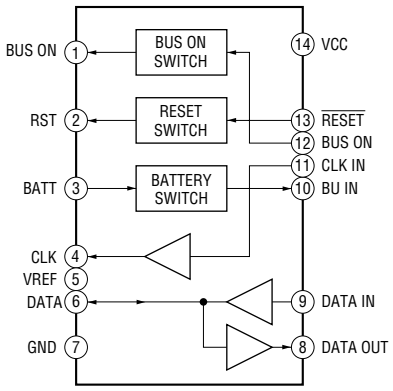
## IC550 TDA7333013TR (MAIN Board (1/4))



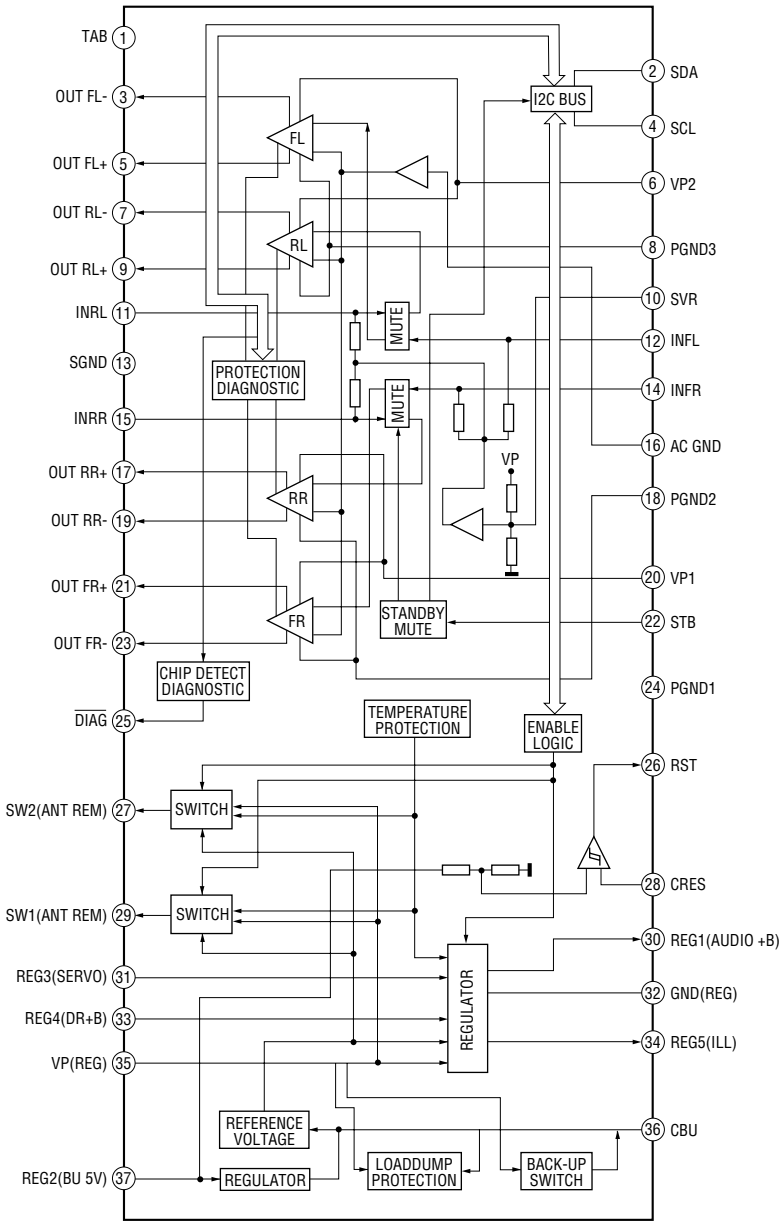

## IC402 LA2901V-TL (MAIN Board (1/4))




## IC110 BA8271F-E2 (MAIN Board (4/4))



## IC201 TDA8588AJ/N2/R1 (MAIN Board (2/4))



## • IC PIN DESCRIPTIONS

### • IC3 MB90487APFV-G-131-BNDE1 (CD SYSTEM CONTROL) (SERVO BOARD (2/2))

| Pin No. | Pin Name | I/O | Pin Description |
|---|---|---|---|
| 1 | NC | O | Servo 1.5 V power supply control signal output |
| 2 to 6 | NC | — | Not used. (Open) |
| 7 | CD BUS0 | I/O | Bus data signal input/output 0 |
| 8 | CD BUS1 | I/O | Bus data signal input/output 1 |
| 9 | VSS | — | Ground pin |
| 10 | CD BUS2 | I/O | Bus data signal input/output 2 |
| 11 | CD BUS3 | I/O | Bus data signal input/output 3 |
| 12 | CD BUCK | O | Bus clock signal output |
| 13 | CD XCCE | O | Chip enable signal output |
| 14 | CD XRST | O | Reset signal output |
| 15 | CD ZDET | I | Zero detection signal input |
| 16 to 20 | NC | — | Not used. (Open) |
| 21 | VCC | — | Power supply pin (+3.3 V) |
| 22 | DAC ZDETL | I | Zero data detection signal input (L-ch) |
| 23 | DAC ZDETR | I | Zero data detection signal input (R-ch) |
| 24 | NC | — | Not used. (Open) |
| 25 | RXD | I | UART RXD data signal input (MCBUS/Flash data input) |
| 26 | TXD | O | UART TXD data signal output (MCBUS/Flash data output) |
| 27 | DEC SSTBY | O | SRAM STANDBY mode control signal output |
| 28, 29 | NC | — | Not used. (Open) |
| 30 | DEC INT | I | Request signal input |
| 31, 32 | NC | — | Not used. (Open) |
| 33 | AVCC | — | Power supply pin (+3.3 V) for A/D converter |
| 34 | AVRH | — | External reference voltage for A/D converter |
| 35 | AVSS | — | Ground pin |
| 36 | NC | — | Not used. (Open) |
| 37 | DEC XMUTE | O | Mute signal output L: mute |
| 38, 39 | NC | — | Not used. (Open) |
| 40 | VSS | — | Ground pin |
| 41 | NC | — | Not used. (Open) |
| 42 | MEC LIMIT | I | Sled limit in detection switch signal input |
| 43 | MEC LOAD | O | Loading motor signal output (Load direction) |
| 44 | MEC EJECT | O | Loading motor signal output (Eject direction) |
| 45 | MEC INSW | I | Pack-in detection signal input |
| 46 | MEC DSW | I | Chucking end detection switch signal input |
| 47, 48 | MD0, MD1 | I | CPU operation mode designation signal input (Connect to Vcc.) |
| 49 | MD2 | I | CPU operation mode designation signal input (Connect to Vss.) |
| 50 | $\overline{\text{BUS ON}}$ | I | Bus on signal input L: bus on |
| 51 | BU IN | I | Backup on/off signal input H: backup on, L: backup off |
| 52 | $\overline{\text{CD SBSY}}$ | I | SUBQ sync signal input L: interruption |
| 53 | $\overline{\text{MEC SELFSW}}$ | I | Disc insert detection switch signal input L: disc in interruption |
| 54, 55 | NC | — | Not used. (Open) |
| 56 | UNISI | I | Serial data signal input |
| 57 | UNISO | O | Serial data signal output |
| 58 | UNICKI | I | Serial clock signal input |
| 59 | LINEOFF | O | Line off signal output |
| 60 | A ATT | O | Audio attenuation signal output H: ATT on |
| 61 | EJECT OK | I | Front panel open signal input H: eject |
| 62 | OPEN REQ | O | Front panel open/close request signal output H: open request |
| 63 | MECON | O | Mechanism deck power supply control signal output |
| 64 | CDON | O | Servo power supply control signal output |

| Pin No. | Pin Name | I/O | Pin Description |
|---|---|---|---|
| 65 | XUART | I | Sony-Bus/MC-Bus change signal input H: Sony-Bus, L: MC-Bus |
| 66 | ZMUTE | O | Zero detection mute signal output |
| 67 | MECON CHK | I | MECON rising detection signal input |
| 68 | CDON CHK | I | CDON rising detection signal input |
| 69 to 74 | NC | — | Not used. (Open) |
| 75 | $\overline{\text{RSTX}}$ | I | System reset signal input |
| 76 | NC | — | Not used. (Open) |
| 77 | X1A | — | Sub-clock connect pin Not used in this set. (Open) |
| 78 | X0A | — | Sub-clock connect pin Not used in this set. (Connect to Vss.) |
| 79 | VSS | — | Ground pin |
| 80 | X0 | I | Main-clock connect pin (12 MHz) |
| 81 | X1 | O | Main-clock connect pin (12 MHz) |
| 82 | VCC | — | Power supply pin (+3.3 V) |
| 83 | XTS | I | Not used in this set. (Open) |
| 84 | XINIT3 | I | Not used in this set. (Open) |
| 85 | NC | — | Not used. (Open) |
| 86 | XSJIG | I | Not used in this set. (Open) |
| 87 to 89 | XINIT0 to 2 | I | Not used in this set. (Open) |
| 90 to 97 | NC | — | Not used. (Open) |
| 98 | XLINE | I | Not used in this set. (Open) |
| 99, 100 | NC | — | Not used. (Open) |

**• IC303 MB90487APFV-G-127-BNDE1 (SYSTEM CONTROL) (MAIN BOARD (3/4))**

| Pin No. | Pin Name | I/O | Pin Description |
|---|---|---|---|
| 1 | $\overline{\text{DIAG}}$ | I | Power amplifier self diagnostic test functions signal input |
| 2 | STB | O | Power amplifier standby signal output |
| 3 | NC | — | Not used. (Open) |
| 4 | ATT | O | LINE mute control signal output |
| 5 | BEEP | O | Power amplifier beep signal output |
| 6 | NC | — | Not used. (Open) |
| 7 | FSW IN | I | FL switch signal input |
| 8 | NC | — | Not used. (Open) |
| 9 | VSS | — | Ground pin |
| 10 | DST SEL0 | I | Distination select signal input 0 |
| 11 | DST SEL1 | I | Distination select signal input 1 |
| 12 | 611 SEL | I | 611 CD mechanism type select signal input |
| 13 to 18 | NC | — | Not used. (Open) |
| 19 | EE SIO | I/O | EEPROM serial data signal input/output |
| 20 | EE SCK | O | EEPROM serial clock signal output |
| 21 | VCC | — | Power supply pin (+3.3 V) |
| 22 | $\overline{\text{Z DET}}$ | I | 611TA/TS CD mechanism type zero mute detect signal input |
| 23 | CDM ON IN | I | 611TA/TS CD mechanism on/off signal input |
| 24 | CD ON IN | I | 611TA/TS CD mechanism type CD on/off signal input |
| 25 | DP RX | I | Display microcomputer interface signal input |
| 26 | DP TR | O | Display microcomputer interface signal output |
| 27 | NC | — | Not used. (Open) |
| 28 | $\overline{\text{BUS ON}}$ | O | Bus on/off signal output |
| 29 | $\overline{\text{SYS RST}}$ | O | Bus system reset signal output |
| 30 | NC | — | Not used. (Open) |
| 31 | I2C SCK | O | I2C bus serial clock signal output |
| 32 | I2C SIO | I/O | I2C bus serial data signal input/output |
| 33 | AVDD | — | Power supply pin for A/D converter (+3.3 V) |
| 34 | AVRH | — | External reference power supply pin for A/D converter |
| 35 | AVSS | — | Ground pin for A/D converter |
| 36 | SA IN | I | Spectrum analyzer data signal input |
| 37 | NC | — | Not used. (Open) |
| 38 | VSM | I | S meter signal input |
| 39 | QUALITY | I | Tuner noise detect signal input (RDS model only) |
| 40 | VSS | — | Ground pin |
| 41, 42 | KEY IN0, 1 | I | Key signal input |
| 43 | NC | — | Not used. (Open) |
| 44 | RC IN0 | I | Rotary commander signal input |
| 45 | $\overline{\text{XKEY ON}}$ | O | Key power supply control signal output Pin ⑤⓪ (KEY ACK) active: “L” output |
| 46 | NC | — | Not used. (Open) |
| 47, 48 | MD0, 1 | I | Input for operation mode designation Fixed at “H”. |
| 49 | MD2 | I | Input for operation mode designation Fixed at “L”. |
| 50 | KEY ACK | I | Key acknowledge detect signal input |
| 51 | BU IN | I | Backup power supply detect signal input |
| 52 | $\overline{\text{DOOR SW}}$ | I | Door switch signal input |
| 53 | TU ATT IN | I | Tuner attenuate zero detect signal input |
| 54 | $\overline{\text{DAVN}}$ | I | RDS block data detect signal input |
| 55 | NC | — | Not used. (Open) |
| 56 | UNISI | I | Bus serial data signal input |
| 57 | UNISO | O | Bus serial data signal output |
| 58 | UNICLK | O | Bus serial clock signal output |
| 59 | FL ON | O | DC/DC converter power on signal output |

| Pin No. | Pin Name | I/O | Pin Description |
|---|---|---|---|
| 60 | FSW SFT | O | DC/DC converter frequency change signal output |
| 61 | NC | — | Not used. (Open) |
| 62 | FL DP POW | O | Power supply control signal output of FL driver IC and display microcomputer |
| 63 | SIRCS | I | Remote control signal (infrared rays) input |
| 64 | RAM BU | I | RAM backup signal input |
| 65 | $\overline{\text{NOSE SW}}$ | I | Nose switch signal input |
| 66 | DOOR IND | O | Door indicator signal output |
| 67 | $\overline{\text{MA FLS W}}$ | I | Memory mode changeover signal input<br>Normally “H” input (Single chip mode), “L” after reset: Flash wright mode |
| 68 | MAS IF | O | Master microcomputer interface signal output |
| 69 | DISP IF | I | Display microcomputer interface signal input |
| 70 | $\overline{\text{DISP FLS W}}$ | I | Display flash wright mode signal input |
| 71 | $\overline{\text{DISP RESET}}$ | O | Display microcomputer reset signal output |
| 72 | NC | — | Not used. (Open) |
| 73, 74 | RE IN0, 1 | I | Rotary encoder signal input |
| 75 | RESET | I | Reset signal input |
| 76 | NC | — | Not used. (Open) |
| 77 | X1A | — | 32 kHz oscillator connect pin (32.768 kHz) |
| 78 | X0A | — | 32 kHz oscillator connect pin (32.768 kHz) |
| 79 | VSS | — | Ground pin |
| 80 | X0 | — | 18 MHz oscillator connect pin (18.432 MHz) |
| 81 | X1 | — | 18 MHz oscillator connect pin (18.432 MHz) |
| 82 | VCC | — | Power supply pin (+3.3 V) |
| 83 to 90 | NC | — | Not used. (Open) |
| 91 | $\overline{\text{TU ATT}}$ | O | Tuner mute control signal output |
| 92 | NS MASK | O | Noise mask signal output |
| 93 | $\overline{\text{VOL ATT}}$ | O | Electronic volume attenuate control signal output |
| 94 | SA CLK | O | Spectrum analyzer clock signal output |
| 95 | $\overline{\text{ILL IN}}$ | I | Illumination on/off signal input |
| 96 | $\overline{\text{TEST IN}}$ | I | Test mode detect signal input |
| 97 | TEL ATT | I | Telephone attenuate signal input |
| 98 | $\overline{\text{RC IN1}}$ | I | Rotary commander shift key signal input |
| 99 | $\overline{\text{ACC IN}}$ | I | Accessory power supply detect signal input |
| 100 | BUS/$\overline{\text{AUX}}$ | O | BUS/AUX input select signal output “H”: BUS in, “L”: AUX in |

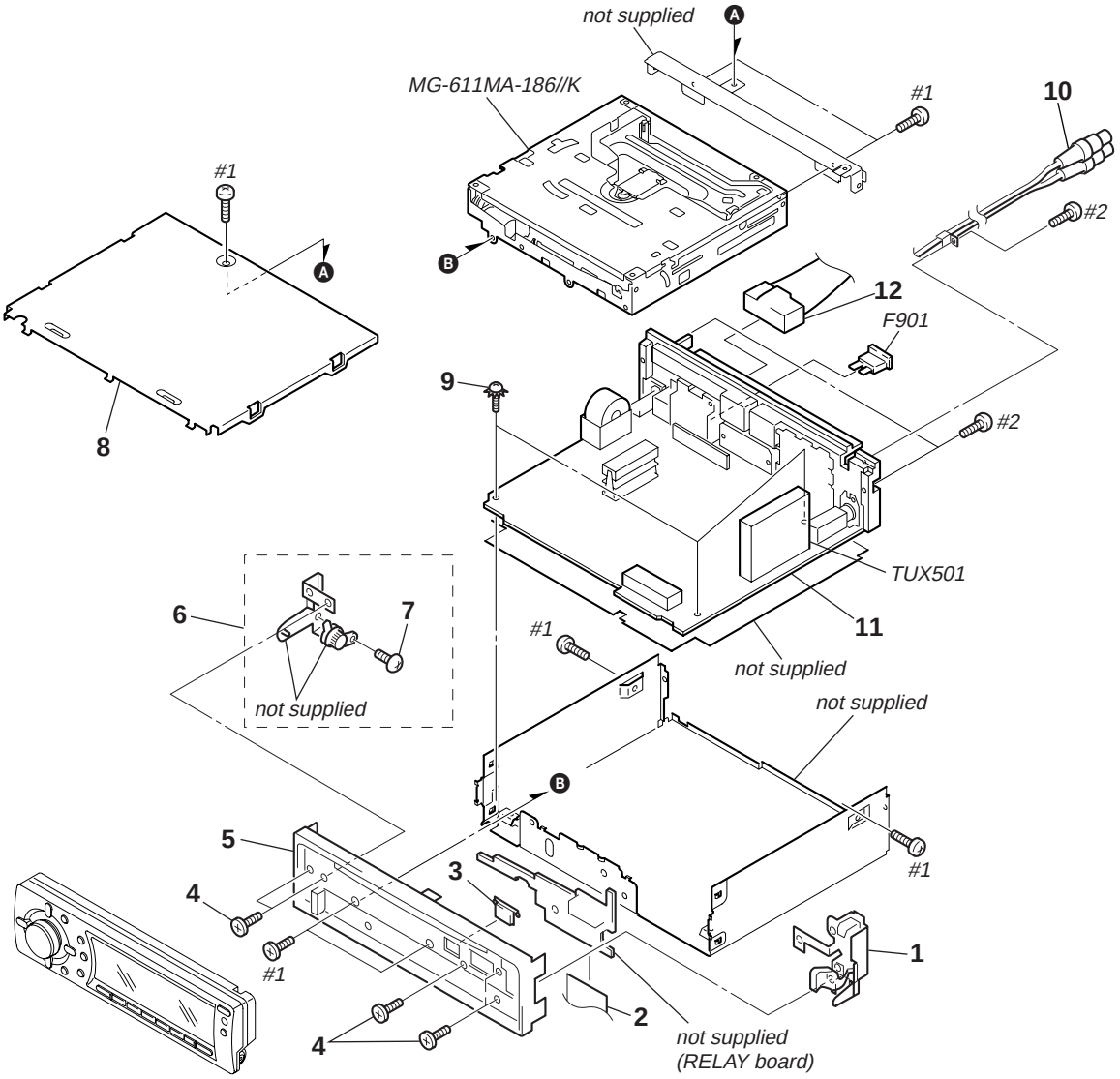
# SECTION 4
# EXPLODED VIEWS

NOTE:
- The mechanical parts with no reference number in the exploded views are not supplied.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example :
  KNOB, BALANCE (WHITE) ... (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Accessories are given in the last of this parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

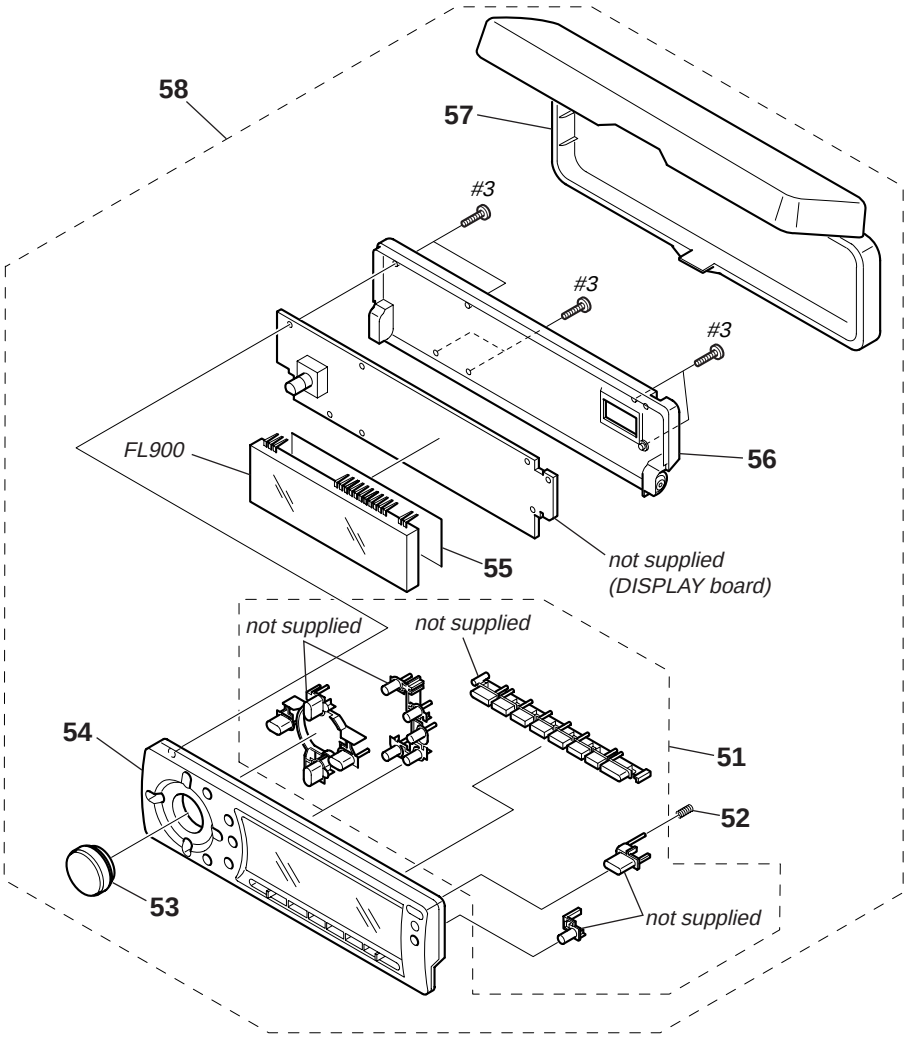
Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

## 4-1. MAIN SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | X-3384-273-1 | LOCK ASSY | |
| 2 | 1-828-511-11 | CABLE, FLAT (FFC) 22P | |
| 3 | 3-246-030-01 | BUTTON (EJECT) | |
| 4 | 3-261-903-01 | SCREW (+BTT M2X5) | |
| 5 | X-3384-490-2 | PANEL ASSY (CD), SUB | |
| 6 | X-3384-271-2 | GEAR ASSY | |
| 7 | 3-713-786-51 | SCREW +P 2X3 | |
| * 8 | 3-246-006-31 | COVER | |
| 9 | 3-376-464-11 | SCREW (+PTT 2.6X6), GROUND POINT | |
| 10 | 1-790-375-12 | CORD (WITH CONNECTOR) (SUB OUT (MONO)) | |
| 11 | A-1087-268-A | MAIN BOARD, COMPLETE (F7715X) | |
| 11 | A-1087-269-A | MAIN BOARD, COMPLETE (EXCEPT F7715X) | |
| 12 | 1-776-207-72 | CORD (WITH CONNECTOR) (POWER) (F7710/F7710S/F7715X) | |
| 12 | 1-776-527-71 | CORD (WITH CONNECTOR) (ISO) (POWER) (F7750/F7750S) | |
| F901 | 1-532-877-11 | FUSE (BLADE TYPE) (AUTO FUSE) 10A | |
| TUX501 | A-3220-961-A | TUNER UNIT (TUX-032) | |
| #1 | 7-685-792-09 | SCREW +PTT 2.6X6 (S) | |
| #2 | 7-685-793-09 | SCREW +PTT 2.6X8 (S) | |

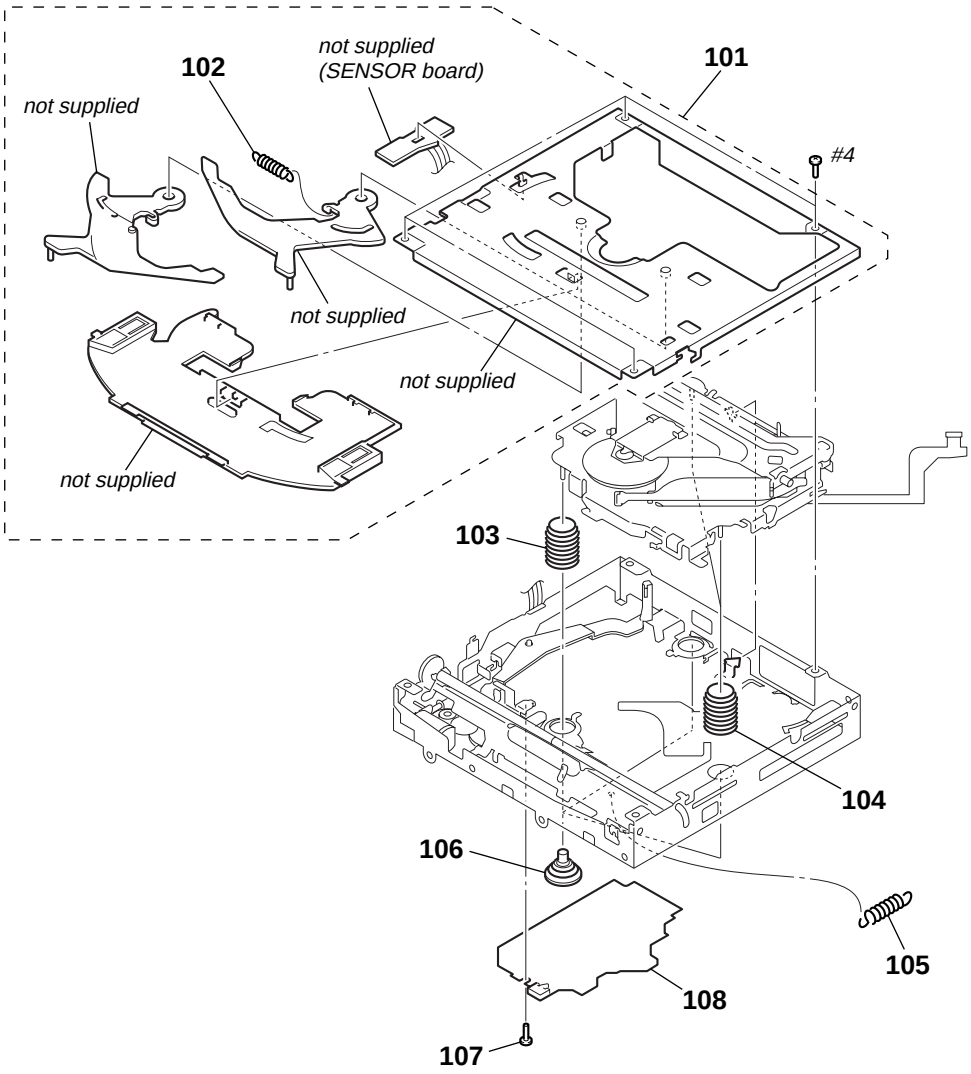
## 4-2. FRONT PANEL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | X-2024-931-1 | BUTTON KIT ASSY (S) (F7715X) | |
| 51 | X-2024-932-1 | BUTTON KIT ASSY (S) (F7710/F7750) | |
| 51 | X-3384-508-2 | BUTTON KIT ASSY (S) (F7710S/F7750S) | |
| 52 | 3-032-321-01 | SPRING (OPEN) | |
| 53 | X-2050-762-1 | KNOB ASSY (S) (F7710/F7715X/F7750) | |
| 53 | X-3384-635-1 | KNOB ASSY (S) (F7710S/F7750S) | |
| 54 | X-2024-936-1 | PANEL (S) ASSY, FRONT (F7715X) | |
| 54 | X-2024-937-1 | PANEL (S) ASSY, FRONT (F7710) | |
| 54 | X-2024-938-1 | PANEL (S) ASSY, FRONT (F7710S) | |
| 54 | X-2024-939-1 | PANEL (S) ASSY, FRONT (F7750S) | |
| 54 | X-2024-940-1 | PANEL (S) ASSY, FRONT (F7750) | |

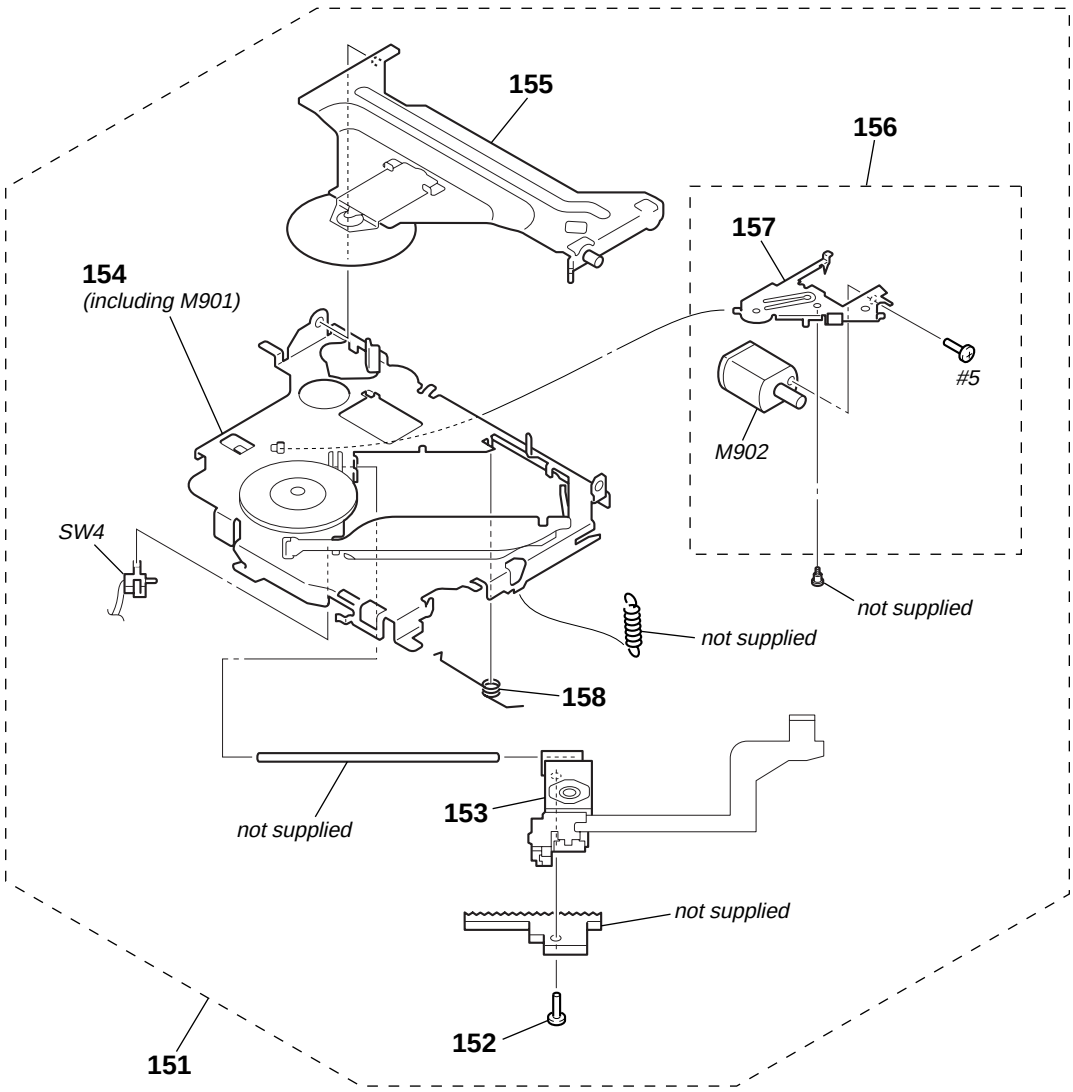
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 55 | 3-260-341-03 | SHEET (FL) | |
| 56 | X-3384-495-3 | PANEL ASSY, FRONT BACK | |
| 57 | X-3385-170-1 | CASE ASSY (for FRONT PANEL) | |
| 58 | A-1087-287-A | PANEL COMPLETE ASSY, FRONT (F7715X) | |
| 58 | A-1087-288-A | PANEL COMPLETE ASSY, FRONT (F7710) | |
| 58 | A-1087-289-A | PANEL COMPLETE ASSY, FRONT (F7710S) | |
| 58 | A-1087-290-A | PANEL COMPLETE ASSY, FRONT (F7750S) | |
| 58 | A-1087-291-A | PANEL COMPLETE ASSY, FRONT (F7750) | |
| FL900 | 1-518-953-21 | INDICATOR TUBE, FLUORESCENT | |
| #3 | 7-685-105-19 | SCREW +P 2X8 TYPE2 NON-SLIT | |

## 4-3. CD MECHANISM SECTION (1)
## (MG-611TS-186//K)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 101 | A-3372-455-A | CHASSIS (T) SUB ASSY (F7750) | |
| 102 | 3-253-729-01 | SPRING (LTR), TENSION COIL | |
| 103 | 3-253-746-14 | SPRING (DAMPER), COMPRESSION | |
| 104 | 3-253-746-03 | SPRING (DAMPER), COMPRESSION | |
| 105 | 2-345-767-01 | SPRING (KF60), TENSION | |
| 106 | 3-253-748-01 | DAMPER (S) | |
| 107 | 3-352-758-31 | SCREW (M1.7), TOOTHED LOCK | |
| 108 | A-1075-811-A | SERVO BOARD, COMPLETE | |
| #4 | 7-627-552-87 | SCREW, PRECISION +P 1.7X2.2 | |

## 4-4. CD MECHANISM SECTION (2)
## (MG-611TS-186//K)

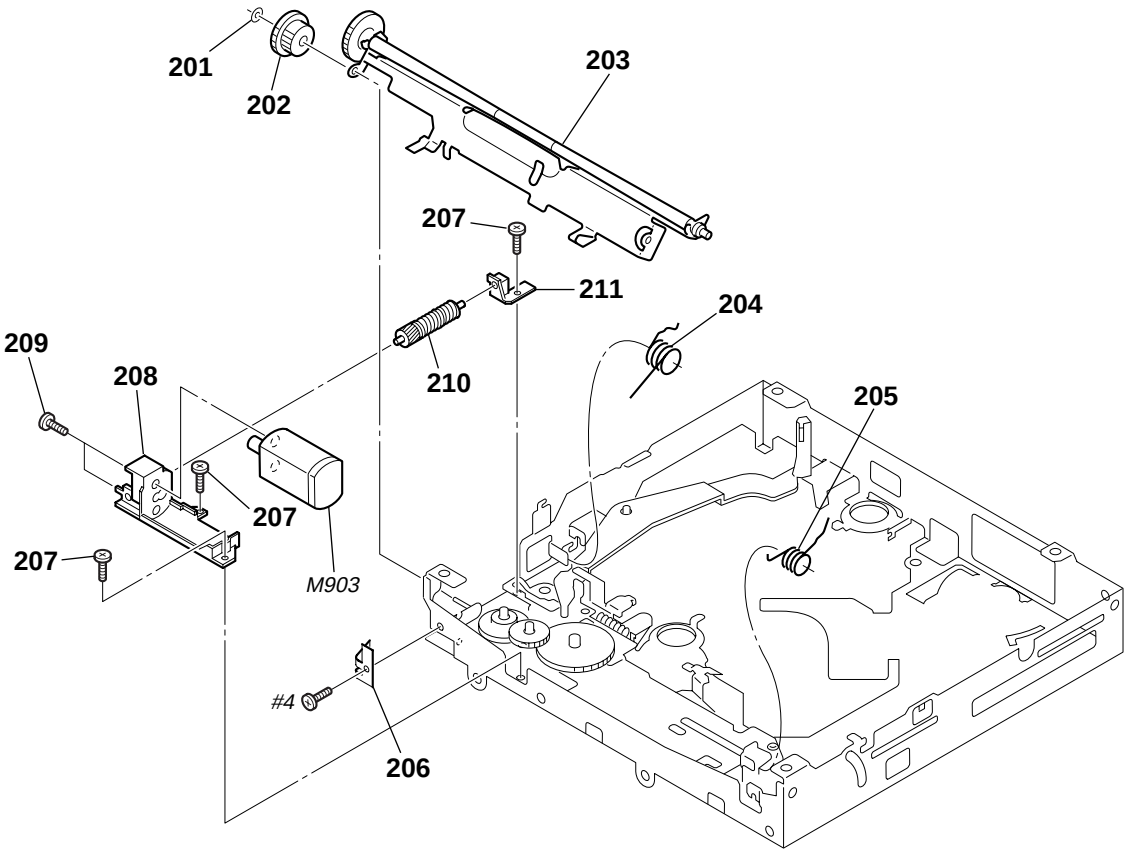



| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.<br>Ne les remplacer que par une piéce portant le numéro spécifié. |
|---|---|

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 151 | A-1075-786-A | CHASSIS (OP) COMPLETE ASSY | |
| 152 | 3-316-938-91 | SCREW (B1.4X5), TAPPING | |
| ⚠153 | 8-820-207-12 | OPTICAL PICK-UP (KSS1000E/K1RP) | |
| 154 | A-1075-787-A | CHASSIS (OP) SUB ASSY (including M901) | |
| 155 | A-3337-641-A | ARM SUB ASSY, CHUCKING | |
| 156 | A-3337-639-A | LEVER (SL) SUB ASSY | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 157 | X-3383-454-3 | LEVER (SL) ASSY | |
| 158 | 3-261-959-02 | SPRING (SL), TORSION | |
| M902 | A-3337-638-A | MOTOR ASSY, SL (SLED) | |
| SW4 | 1-571-099-11 | SWITCH (1 KEY) (LIMIT) | |
| #5 | 7-627-850-77 | SCREW, PRECISION +P 1.4X1.8 | |

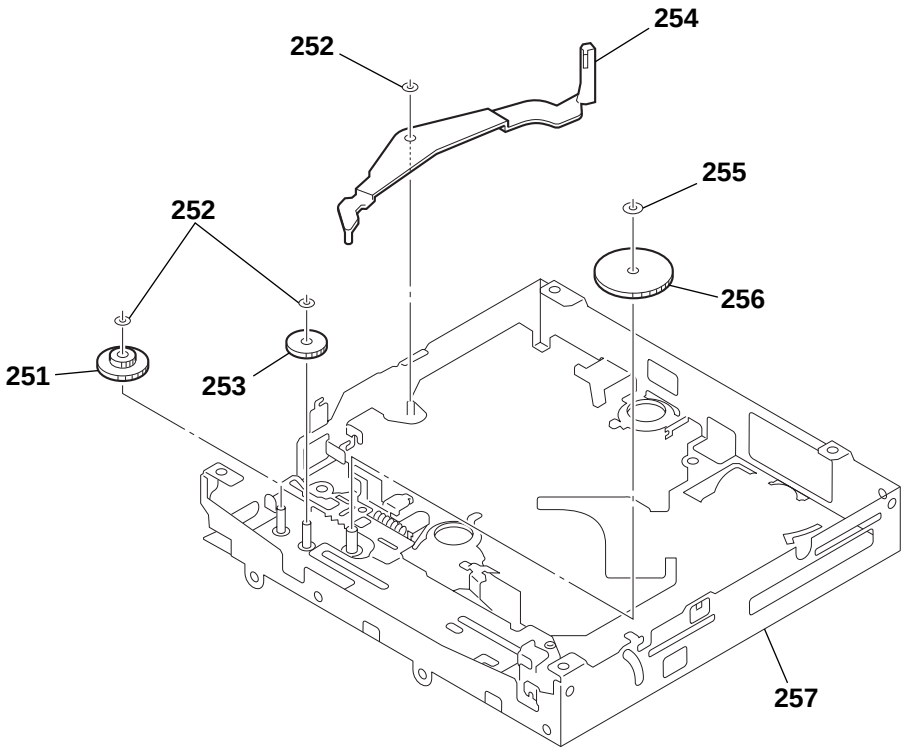
## 4-5. CD MECHANISM SECTION (3)
## (MG-611TS-186//K)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 201 | 3-262-755-01 | WASHER (1.1-2.5) | |
| 202 | 2-186-699-11 | GEAR (RA1) | |
| 203 | A-1075-789-A | ARM ASSY, ROLLER | |
| 204 | 3-259-455-02 | SPRING (RAL) | |
| 205 | 3-253-713-01 | SPRING (RAR) | |
| 206 | 3-259-469-01 | SPRING (LE), LEAF | |
| 207 | 2-134-636-31 | SCREW (M1.7X2.5) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 208 | 2-186-696-11 | BRACKET (LEM-N) | |
| 209 | 3-345-648-91 | SCREW (M1.4), TOOTHED LOCK | |
| 210 | A-1083-637-A | GEAR (LE) ASSY | |
| 211 | 2-186-697-11 | BEARING (LEB-N) | |
| M903 | A-1075-792-A | MOTOR ASSY, LE (LOADING) | |
| #4 | 7-627-552-87 | SCREW, PRECISION +P 1.7X2.2 | |

## 4-6. CD MECHANISM SECTION (4)
## (MG-611TS-186//K)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 251 | 2-186-700-11 | GEAR (CHK1) | |
| 252 | 3-344-223-01 | WASHER | |
| 253 | 3-259-470-01 | GEAR (LE1) | |
| 254 | 3-253-755-02 | LEVER (D) | |
| 255 | 3-899-829-01 | WASHER (SLIT) | |
| 256 | 3-259-032-01 | GEAR (LE2) | |
| 257 | A-1075-791-A | CHASSIS (M) BLOCK ASSY | |

# SECTION 5
# ELECTRICAL PARTS LIST

**DISPLAY**

NOTE:
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL:Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F:nonflammable
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u : µ, for example:
  uA.. : µA.. uPA..: µPA..
  uPB.. : µPB.. uPC..: µPC.. uPD.. : µPD..
- CAPACITORS
  uF : µF
- COILS
  uH : µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une piéce portant le numéro spécifié.

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | DISPLAY BOARD | | | |
| | | ********** | | | |
| | 3-260-341-03 | SHEET (FL) | | | |
| | | < CAPACITOR > | | | |
| C901 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C903 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C905 | 1-162-915-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V |
| C906 | 1-162-915-11 | CERAMIC CHIP | 10PF | 0.5PF | 50V |
| C907 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C909 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C913 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C914 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C917 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C918 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C920 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| C921 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C922 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C923 | 1-165-319-11 | CERAMIC CHIP | 0.1uF | | 50V |
| | | < CONNECTOR > | | | |
| CN901 | 1-818-141-11 | PLUG, CONNECTOR 20P | | | |
| | | < DIODE > | | | |
| D901 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D902 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D903 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D904 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D905 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D906 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D907 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D908 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D909 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D910 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D912 | 8-719-404-50 | DIODE MA111-TX | | | |
| D913 | 1-216-864-11 | SHORT CHIP 0 | | | |
| D914 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D915 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D916 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D917 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D918 | 8-719-977-12 | DIODE DTZ6.8B | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < ROTARY ENCODER > | |
| ENC901 | 1-478-474-11 | ENCODER, ROTARY (PUSH SOUND VOLUME) | |
| | | < FERRITE BEAD > | |
| FB902 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB903 | 1-216-864-11 | SHORT CHIP 0 | |
| FB904 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB905 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB906 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB907 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB909 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB910 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB911 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB912 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB913 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB914 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB915 | 1-414-760-21 | INDUCTOR, FERRITE BEAD | |
| FB916 | 1-216-864-11 | SHORT CHIP 0 | |
| | | < FLUORESCENT INDICATOR > | |
| FL900 | 1-518-953-21 | INDICATOR TUBE, FLUORESCENT | |
| | | < IC > | |
| IC901 | 6-805-091-01 | IC uPD703263GC-101-8EA-A | |
| IC902 | 8-759-523-94 | IC TC74VHC32FT(EL) | |
| IC903 | 6-600-384-01 | IC KSM-401E (IR) | |
| IC904 | 8-759-659-13 | IC PST3428UL | |
| | | < DIODE > | |
| LED901 | 6-500-476-01 | LED SML310BA1TT86 (IMAGE) | |
| LED902 | 6-500-476-01 | LED SML310BA1TT86 (DISP) (F7715X) | |
| LED902 | 6-500-476-01 | LED SML310BA1TT86 (AF/TA) | (EXCEPT F7715X) |
| LED903 | 6-500-476-01 | LED SML310BA1TT86 (6) | |
| LED904 | 6-500-476-01 | LED SML310BA1TT86 (5) | |
| LED905 | 6-500-476-01 | LED SML310BA1TT86 (4) | |
| LED906 | 6-500-476-01 | LED SML310BA1TT86 (3) | |
| LED907 | 6-500-476-01 | LED SML310BA1TT86 (2) | |
| LED908 | 6-500-476-01 | LED SML310BA1TT86 (1) | |
| LED909 | 6-500-476-01 | LED SML310BA1TT86 (SOURCE) | |
| LED910 | 6-500-476-01 | LED SML310BA1TT86 (OFF) | |
| LED911 | 6-500-476-01 | LED SML310BA1TT86 (SCRL) | |
| LED912 | 6-500-476-01 | LED SML310BA1TT86 (EQ7) | |
| LED913 | 6-500-476-01 | LED SML310BA1TT86 (SEEK +) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| LED914 | 6-500-476-01 | LED SML310BA1TT86 (GP/PRESET +) | |
| LED915 | 6-500-476-01 | LED SML310BA1TT86 (SEEK –) | |
| LED916 | 6-500-476-01 | LED SML310BA1TT86 (GP/PRESET –) | |
| LED917 | 6-500-476-01 | LED SML310BA1TT86 (DSO) | |
| LED918 | 6-500-476-01 | LED SML310BA1TT86 (MODE) | |
| LED919 | 6-500-476-01 | LED SML310BA1TT86 (VOLUME ILLUMINATION) | |
| LED920 | 6-500-476-01 | LED SML310BA1TT86 (VOLUME ILLUMINATION) | |
| LED921 | 6-500-476-01 | LED SML310BA1TT86 (VOLUME ILLUMINATION) | |
| LED922 | 6-500-476-01 | LED SML310BA1TT86 (VOLUME ILLUMINATION) | |
| LED923 | 6-500-476-01 | LED SML310BA1TT86 (OPEN) | |
| LED924 | 6-500-476-01 | LED SML310BA1TT86 (SOURCE) | |
| | | < RESISTOR > | |
| R901 | 1-219-286-11 | RES-CHIP 680 2% | 1/16W |
| R902 | 1-219-286-11 | RES-CHIP 680 2% | 1/16W |
| R903 | 1-219-286-11 | RES-CHIP 680 2% | 1/16W |
| R904 | 1-218-847-11 | METAL CHIP 1K 0.5% | 1/10W |
| R905 | 1-218-851-11 | METAL CHIP 1.5K 0.5% | 1/10W |
| R906 | 1-218-851-11 | METAL CHIP 1.5K 0.5% | 1/10W |
| R907 | 1-218-855-11 | METAL CHIP 2.2K 0.5% | 1/10W |
| R908 | 1-218-859-11 | METAL CHIP 3.3K 0.5% | 1/10W |
| R909 | 1-218-863-11 | METAL CHIP 4.7K 0.5% | 1/10W |
| R910 | 1-219-286-11 | RES-CHIP 680 2% | 1/16W |
| R911 | 1-219-286-11 | RES-CHIP 680 2% | 1/16W |
| R912 | 1-219-286-11 | RES-CHIP 680 2% | 1/16W |
| R913 | 1-218-847-11 | METAL CHIP 1K 0.5% | 1/10W |
| R914 | 1-218-851-11 | METAL CHIP 1.5K 0.5% | 1/10W |
| R915 | 1-218-851-11 | METAL CHIP 1.5K 0.5% | 1/10W |
| R916 | 1-218-855-11 | METAL CHIP 2.2K 0.5% | 1/10W |
| R917 | 1-218-859-11 | METAL CHIP 3.3K 0.5% | 1/10W |
| R918 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R920 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R922 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R924 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R926 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R928 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R930 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R932 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R934 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R936 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R938 | 1-216-812-11 | METAL CHIP 180 5% | 1/10W |
| R958 | 1-216-845-11 | METAL CHIP 100K 5% | 1/10W |
| R959 | 1-216-845-11 | METAL CHIP 100K 5% | 1/10W |
| R960 | 1-216-845-11 | METAL CHIP 100K 5% | 1/10W |
| R961 | 1-216-009-11 | RES-CHIP 22 5% | 1/10W |
| R970 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R971 | 1-216-833-11 | METAL CHIP 10K 5% | 1/10W |
| R972 | 1-216-809-11 | METAL CHIP 100 5% | 1/10W |
| R973 | 1-216-815-11 | METAL CHIP 330 5% | 1/10W |
| R976 | 1-216-864-11 | SHORT CHIP 0 | |
| R977 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R978 | 1-218-863-11 | METAL CHIP 4.7K 0.5% | 1/10W |
| R979 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R980 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R983 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R984 | 1-216-821-11 | METAL CHIP 1K 5% | 1/10W |
| R987 | 1-216-845-11 | METAL CHIP 100K 5% | 1/10W |
| | | < SWITCH > | |
| S902 | 1-786-763-11 | SWITCH, TACTILE (OFF) | |
| S903 | 1-786-763-11 | SWITCH, TACTILE (SEEK +) | |
| S904 | 1-786-763-11 | SWITCH, TACTILE (SEEK –) | |
| S905 | 1-786-763-11 | SWITCH, TACTILE (GP/PRESET +) | |
| S906 | 1-786-763-11 | SWITCH, TACTILE (GP/PRESET –) | |
| S907 | 1-786-763-11 | SWITCH, TACTILE (MODE) | |
| S908 | 1-786-763-11 | SWITCH, TACTILE (DSO) | |
| S909 | 1-786-763-11 | SWITCH, TACTILE (SCRL) | |
| S910 | 1-786-763-11 | SWITCH, TACTILE (EQ7) | |
| S911 | 1-786-763-11 | SWITCH, TACTILE (SOURCE) | |
| S912 | 1-786-763-11 | SWITCH, TACTILE (IMAGE) | |
| S913 | 1-786-763-11 | SWITCH, TACTILE (DISP) (F7715X) | |
| S913 | 1-786-763-11 | SWITCH, TACTILE (AF/TA) (EXCEPT F7715X) | |
| S914 | 1-786-763-11 | SWITCH, TACTILE (6/PAUSE) | |
| S915 | 1-786-763-11 | SWITCH, TACTILE (5/BBE MP) | |
| S916 | 1-786-763-11 | SWITCH, TACTILE (4) | |
| S917 | 1-786-763-11 | SWITCH, TACTILE (3) | |
| S918 | 1-786-763-11 | SWITCH, TACTILE (2/SHUF) | |
| S919 | 1-786-763-11 | SWITCH, TACTILE (1/REP) | |
| | | < VIBRATOR > | |
| X901 | 1-813-487-21 | VIBRATOR, CRYSTAL (5MHz) | |
| ********** | | | |
| | A-1087-268-A | MAIN BOARD, COMPLETE (including SPEAKER BOARD) (F7715X) | |
| | A-1087-269-A | MAIN BOARD, COMPLETE (including SPEAKER BOARD) (EXCEPT F7715X) | |
| | | ********** | |
| | 7-621-284-40 | SCREW +P 2.6X10 | |
| | 7-685-134-19 | SCREW +P 2.6X8 TYPE2 NON-SLIT | |
| | 7-685-793-09 | SCREW +PTT 2.6X8 (S) | |
| | 7-685-795-09 | SCREW +PTT 2.6X12 (S) | |
| | | < CAPACITOR > | |
| C101 | 1-126-940-11 | ELECT 330uF 20% | 25V |
| C102 | 1-126-960-11 | ELECT 1uF 20% | 50V |
| C103 | 1-112-302-11 | ELECT 3300uF | 16V |
| C106 | 1-115-340-11 | CERAMIC CHIP 0.22uF 10% | 25V |
| C110 | 1-162-970-11 | CERAMIC CHIP 0.01uF 10% | 25V |
| C111 | 1-107-826-11 | CERAMIC CHIP 0.1uF 10% | 16V |
| C112 | 1-162-927-11 | CERAMIC CHIP 100PF 5% | 50V |
| C113 | 1-162-927-11 | CERAMIC CHIP 100PF 5% | 50V |
| C119 | 1-115-340-11 | CERAMIC CHIP 0.22uF 10% | 25V |
| C142 | 1-162-927-11 | CERAMIC CHIP 100PF 5% | 50V |
| C172 | 1-124-717-85 | ELECT 1uF 20% | 50V |
| C173 | 1-124-721-85 | ELECT 10uF 20% | 50V |
| C178 | 1-162-927-11 | CERAMIC CHIP 100PF 5% | 50V |
| C182 | 1-124-717-85 | ELECT 1uF 20% | 50V |
| C183 | 1-124-721-85 | ELECT 10uF 20% | 50V |
| C188 | 1-162-927-11 | CERAMIC CHIP 100PF 5% | 50V |
| C199 | 1-162-964-11 | CERAMIC CHIP 0.001uF 10% | 50V |
| C200 | 1-115-340-11 | CERAMIC CHIP 0.22uF 10% | 25V |

## MAIN

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C201 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C202 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C203 | 1-126-961-11 | ELECT | 2.2uF | 20% | 50V |
| C204 | 1-124-695-85 | ELECT | 22uF | 20% | 25V |
| C205 | 1-115-340-11 | CERAMIC CHIP | 0.22uF | 10% | 25V |
| C206 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C207 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C208 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C209 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C210 | 1-115-340-11 | CERAMIC CHIP | 0.22uF | 10% | 25V |
| C211 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C212 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C214 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C215 | 1-115-340-11 | CERAMIC CHIP | 0.22uF | 10% | 25V |
| C216 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C217 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C218 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C219 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C221 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C223 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C225 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C226 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C242 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C272 | 1-124-717-85 | ELECT | 1uF | 20% | 50V |
| C273 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C278 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C282 | 1-124-717-85 | ELECT | 1uF | 20% | 50V |
| C283 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C288 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C303 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C304 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C308 | 1-124-717-85 | ELECT | 1uF | 20% | 50V |
| C309 | 1-124-717-85 | ELECT | 1uF | 20% | 50V |
| C310 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C311 | 1-126-916-11 | ELECT | 1000uF | 20% | 6.3V |
| C312 | 1-126-934-11 | ELECT | 220uF | 20% | 16V |
| C313 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |
| C314 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C315 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C316 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V |
| C317 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C318 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C321 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C324 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C325 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C326 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C327 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C328 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C329 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C330 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C333 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C334 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C335 | 1-124-673-85 | ELECT | 100uF | 20% | 10V |
| C336 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C342 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C343 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C344 | 1-124-673-85 | ELECT | 100uF | 20% | 10V |
| C345 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C346 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C400 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C401 | 1-126-947-11 | ELECT | 47uF | 20% | 35V |
| C416 | 1-124-717-85 | ELECT | 1uF | 20% | 50V |
| C417 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C418 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C419 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C420 | 1-126-959-11 | ELECT | 0.47uF | 20% | 50V |
| C421 | 1-124-717-85 | ELECT | 1uF | 20% | 50V |
| C422 | 1-124-673-85 | ELECT | 100uF | 20% | 10V |
| C423 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C424 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C425 | 1-136-154-00 | FILM | 0.012uF | 5% | 50V |
| C426 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C427 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C428 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C429 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C430 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C431 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C432 | 1-136-154-00 | FILM | 0.012uF | 5% | 50V |
| C433 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C434 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C435 | 1-126-960-11 | ELECT | 1uF | 20% | 50V |
| C436 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C437 | 1-124-673-85 | ELECT | 100uF | 20% | 10V |
| C438 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C439 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C440 | 1-124-673-85 | ELECT | 100uF | 20% | 10V |
| C441 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C442 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C443 | 1-126-964-11 | ELECT | 10uF | 20% | 50V |
| C448 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C449 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C450 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C451 | 1-124-721-85 | ELECT | 10uF | 20% | 50V |
| C452 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C453 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C475 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C501 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C502 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C503 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V (EXCEPT F7715X) |
| C504 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C507 | 1-126-933-11 | ELECT | 100uF | 20% | 16V |
| C508 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C509 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C510 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C511 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C550 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V (EXCEPT F7715X) |
| C551 | 1-162-917-11 | CERAMIC CHIP | 15PF | 5% | 50V (EXCEPT F7715X) |
| C552 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (EXCEPT F7715X) |
| C554 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (EXCEPT F7715X) |
| C556 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V (EXCEPT F7715X) |

| Ref. No. | Part No. | Description | | | | Remark |
|---|---|---|---|---|---|---|
| C557 | 1-162-959-11 | CERAMIC CHIP | 330PF | 5% | 50V | (EXCEPT F7715X) |
| C558 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | (EXCEPT F7715X) |
| C559 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | (EXCEPT F7715X) |
| C560 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | (EXCEPT F7715X) |
| C561 | 1-126-947-11 | ELECT | 47uF | 20% | 35V | (EXCEPT F7715X) |
| C562 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | (EXCEPT F7715X) |
| C620 | 1-104-665-11 | ELECT | 100uF | 20% | 25V | |
| C621 | 1-128-552-11 | ELECT | 47uF | 20% | 63V | |
| C622 | 1-126-934-11 | ELECT | 220uF | 20% | 16V | |
| C623 | 1-126-964-11 | ELECT | 10uF | 20% | 50V | |
| C624 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V | |
| C625 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V | |
| C628 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | |
| C629 | 1-126-933-11 | ELECT | 100uF | 20% | 16V | |
| C900 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | |
| C901 | 1-126-965-11 | ELECT | 22uF | 20% | 50V | |
| C902 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V | |
| C903 | 1-126-963-11 | ELECT | 4.7uF | 20% | 50V | |
| C928 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | |
| C930 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V | |
| | | < CONNECTOR > | | | | |
| * CN401 | 1-506-985-11 | PIN, CONNECTOR (PC BOARD) 3P | | | | |
| CN601 | 1-569-915-11 | SOCKET, CONNECTOR 22P | | | | |
| CNP101 | 1-774-701-21 | PIN, CONNECTOR 16P | | | | |
| CNP102 | 1-580-907-41 | PLUG, CONNECTOR (BUS CONTROL IN) | | | | |
| CNP301 | 1-817-536-11 | CONNECTOR, BOARD TO BOARD 28P | | | | |
| | | < JACK > | | | | |
| CNJ101 | 1-764-270-21 | JACK, STEREO MINIATURE (DIA. 3.5) | | | | (REMOTE IN) |
| | | < DIODE > | | | | |
| D101 | 8-719-083-66 | DIODE | UDZSTE-1718B | | | |
| D102 | 8-719-083-66 | DIODE | UDZSTE-1718B | | | |
| D103 | 8-719-060-48 | DIODE | RB751V-40TE-17 | | | |
| D104 | 8-719-069-56 | DIODE | UDZSTE-176.2B | | | |
| D105 | 8-719-083-66 | DIODE | UDZSTE-1718B | | | |
| D106 | 8-719-977-12 | DIODE | DTZ6.8B | | | |
| D108 | 8-719-083-66 | DIODE | UDZSTE-1718B | | | |
| D109 | 8-719-049-38 | DIODE | 1N5404TU | | | |
| D110 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D111 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D112 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D113 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D114 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D115 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D116 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D117 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D118 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D119 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | | | |
| D120 | 6-500-508-01 | DIODE | RR263M-400FTR | | | |
| D121 | 6-500-508-01 | DIODE | RR263M-400FTR | | | |

| Ref. No. | Part No. | Description | | Remark |
|---|---|---|---|---|
| D122 | 8-719-977-12 | DIODE | DTZ6.8B | |
| D270 | 8-719-060-48 | DIODE | RB751V-40TE-17 | |
| D271 | 8-719-060-48 | DIODE | RB751V-40TE-17 | |
| D301 | 8-719-820-05 | DIODE | 1SS181 | |
| D302 | 8-719-060-48 | DIODE | RB751V-40TE-17 | |
| D304 | 8-719-060-48 | DIODE | RB751V-40TE-17 | |
| D307 | 8-719-080-34 | DIODE | SDS511 | |
| D308 | 8-719-080-34 | DIODE | SDS511 | |
| D400 | 8-719-058-24 | DIODE | RB501V-40TE-17 | |
| D401 | 8-719-404-50 | DIODE | MA111-TX | |
| D402 | 8-719-058-24 | DIODE | RB501V-40TE-17 | |
| D501 | 8-719-069-55 | DIODE | UDZSTE-175.6B | |
| D601 | 8-719-977-12 | DIODE | DTZ6.8B | |
| D602 | 8-719-977-12 | DIODE | DTZ6.8B | |
| D603 | 8-719-977-12 | DIODE | DTZ6.8B | |
| D604 | 8-719-977-12 | DIODE | DTZ6.8B | |
| D605 | 6-500-886-01 | DIODE | RSA6.1ENTR | |
| D606 | 6-500-886-01 | DIODE | RSA6.1ENTR | |
| D607 | 8-719-083-66 | DIODE | UDZSTE-1718B | |
| D620 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | |
| D621 | 8-719-053-18 | DIODE | 1SR154-400TE-25 | |
| D622 | 6-501-089-01 | DIODE | RF101L2STE25 | |
| D623 | 8-719-067-83 | DIODE | RB161L-40TE25 | |
| D624 | 8-719-067-83 | DIODE | RB161L-40TE25 | |
| D625 | 8-719-083-66 | DIODE | UDZSTE-1718B | |
| D626 | 8-719-080-28 | DIODE | KDZ5.1V | |
| D907 | 8-719-060-48 | DIODE | RB751V-40TE-17 | |
| D909 | 8-719-080-34 | DIODE | SDS511 | |
| | | < JUMPER RESISTOR > | | |
| FB324 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB325 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB326 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB327 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB328 | 1-469-407-22 | INDUCTOR, FERRITE BEAD | | |
| FB329 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB441 | 1-414-813-11 | FERRITE, EMI (SMD) (2012) | | |
| FB442 | 1-414-813-11 | FERRITE, EMI (SMD) (2012) | | |
| FB501 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB503 | 1-216-295-11 | SHORT CHIP | 0 | |
| FB550 | 1-216-295-11 | SHORT CHIP | 0 (EXCEPT F7715X) | |
| FB551 | 1-216-295-11 | SHORT CHIP | 0 (EXCEPT F7715X) | |
| FB552 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (EXCEPT F7715X) |
| FB555 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (EXCEPT F7715X) |
| | | < IC > | | |
| IC110 | 6-703-884-01 | IC | BA8271F-E2 | |
| IC201 | 6-705-359-02 | IC | TDA8588AJ/N2/R1 | |
| IC301 | 6-705-373-01 | IC | MM3123DPLE | |
| IC302 | 8-759-659-13 | IC | PST3428UL | |
| IC303 | 6-805-006-01 | IC | MB90487APFV-G-127-BNDE1 | |
| IC321 | 6-707-282-01 | IC | MM1615ANLE | |
| IC401 | 6-703-303-01 | IC | TDA7416 | |
| IC402 | 6-703-419-01 | IC | LA2901V-TLM-E | |
| IC431 | 8-759-710-97 | IC | NJM4565M-D | |
| IC451 | 8-759-710-97 | IC | NJM4565M-D | |

## MAIN

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| IC470 | 8-759-710-97 | IC NJM4565M-D | |
| IC550 | 6-803-747-01 | IC TDA7333013TR (EXCEPT F7715X) | |
| IC620 | 6-705-542-01 | IC NJM2377M(TE2) | |
| IC900 | 6-707-281-01 | IC MM1613DNLE | |
| | | < JACK > | |
| J601 | 1-793-598-11 | JACK (ANTENNA) | |
| | | < JUMPER RESISTOR > | |
| JR1 | 1-216-296-11 | SHORT CHIP 0 | |
| JR2 | 1-216-296-11 | SHORT CHIP 0 | |
| JR201 | 1-216-296-11 | SHORT CHIP 0 | |
| | | < COIL > | |
| L101 | 1-456-617-11 | COIL, CHOKE | |
| L301 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L303 | 1-414-398-11 | INDUCTOR 10uH | |
| L320 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L321 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L401 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L502 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L620 | 1-456-729-21 | INDUCTOR 100uH | |
| | | < JACK > | |
| PJ401 | 1-774-700-11 | JACK, PIN 6P (BUS AUDIO IN/AUX IN, AUDIO OUT REAR/FRONT) | |
| | | < TRANSISTOR > | |
| Q101 | 8-729-055-94 | TRANSISTOR SRC1202SF | |
| Q102 | 8-729-049-40 | TRANSISTOR 2SC5343SFG | |
| Q103 | 8-729-049-40 | TRANSISTOR 2SC5343SFG | |
| Q110 | 8-729-055-91 | TRANSISTOR SRA2202SF | |
| Q111 | 8-729-055-94 | TRANSISTOR SRC1202SF | |
| Q112 | 8-729-055-91 | TRANSISTOR SRA2202SF | |
| Q171 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q181 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q271 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q281 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q301 | 8-729-038-55 | TRANSISTOR KRA103S | |
| Q380 | 8-729-055-95 | TRANSISTOR SRC1204SF (EXCEPT F7715X) | |
| Q401 | 8-729-055-95 | TRANSISTOR SRC1204SF | |
| Q402 | 8-729-055-91 | TRANSISTOR SRA2202SF | |
| Q408 | 6-550-683-01 | FET RJK005N03-T146 | |
| Q450 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q451 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q452 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q453 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q470 | 6-550-752-01 | TRANSISTOR DTC614TKT146 | |
| Q501 | 8-729-920-85 | TRANSISTOR 2SD1664-QR | |
| Q551 | 8-729-055-95 | TRANSISTOR SRC1204SF (EXCEPT F7715X) | |
| Q552 | 8-729-026-49 | TRANSISTOR 2SA1037AK-T146-R (EXCEPT F7715X) | |
| Q601 | 8-729-055-91 | TRANSISTOR SRA2202SF | |
| Q602 | 8-729-055-95 | TRANSISTOR SRC1204SF | |
| Q620 | 6-551-131-01 | FET 2SK3614-TD-E | |
| Q621 | 8-729-055-91 | TRANSISTOR SRA2202SF | |
| Q622 | 8-729-055-95 | TRANSISTOR SRC1204SF | |
| Q623 | 8-729-055-95 | TRANSISTOR SRC1204SF | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| Q642 | 8-729-055-91 | TRANSISTOR SRA2202SF | | | |
| Q907 | 8-729-049-40 | TRANSISTOR 2SC5343SFG | | | |
| | | < RESISTOR > | | | |
| R101 | 1-216-077-11 | RES-CHIP | 15K | 5% | 1/10W |
| R102 | 1-216-049-11 | RES-CHIP | 1K | 5% | 1/10W |
| R103 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R104 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R105 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R106 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R107 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R108 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R109 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R110 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R111 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R112 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R114 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R115 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R116 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R117 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R118 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R119 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R120 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R121 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R122 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R142 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R143 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R174 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R175 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R184 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R185 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R201 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R202 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R203 | 1-216-049-11 | RES-CHIP | 1K | 5% | 1/10W |
| R204 | 1-216-049-11 | RES-CHIP | 1K | 5% | 1/10W |
| R205 | 1-216-049-11 | RES-CHIP | 1K | 5% | 1/10W |
| R206 | 1-216-049-11 | RES-CHIP | 1K | 5% | 1/10W |
| R240 | 1-216-295-11 | SHORT CHIP | 0 | | |
| R241 | 1-216-295-11 | SHORT CHIP | 0 | | |
| R242 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R243 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R244 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R274 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R275 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R284 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R285 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R300 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R301 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R302 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R303 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R311 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R318 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R320 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R322 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R323 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R324 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R325 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R327 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R328 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R329 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R330 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R331 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R332 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R333 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R334 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R335 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R338 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R339 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R340 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R341 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R342 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R343 | 1-218-871-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R344 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R345 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R346 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (EXCEPT F7715X) |
| R347 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (F7715X) |
| R348 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (EXCEPT F7715X) |
| R349 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (F7715X) |
| R351 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R352 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R353 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W (EXCEPT F7715X) |
| R354 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (EXCEPT F7715X) |
| R355 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R356 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R357 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R358 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R361 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W (EXCEPT F7715X) |
| R362 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W (EXCEPT F7715X) |
| R362 | 1-216-864-11 | SHORT CHIP | 0 (F7715X) | | |
| R367 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R380 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W (EXCEPT F7715X) |
| R401 | 1-216-017-11 | RES-CHIP | 47 | 5% | 1/10W |
| R402 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R407 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R408 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R410 | 1-216-295-11 | SHORT CHIP | 0 | | |
| R414 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R415 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R416 | 1-216-025-11 | RES-CHIP | 100 | 5% | 1/10W |
| R417 | 1-216-025-11 | RES-CHIP | 100 | 5% | 1/10W |
| R418 | 1-216-025-11 | RES-CHIP | 100 | 5% | 1/10W |
| R419 | 1-216-025-11 | RES-CHIP | 100 | 5% | 1/10W |
| R420 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R421 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R422 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R424 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R426 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R427 | 1-216-295-11 | SHORT CHIP | 0 | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R429 | 1-216-086-00 | RES-CHIP | 36K | 5% | 1/10W |
| R430 | 1-216-082-00 | RES-CHIP | 24K | 5% | 1/10W |
| R431 | 1-216-086-00 | RES-CHIP | 36K | 5% | 1/10W |
| R432 | 1-216-082-00 | RES-CHIP | 24K | 5% | 1/10W |
| R433 | 1-216-086-00 | RES-CHIP | 36K | 5% | 1/10W |
| R434 | 1-216-082-00 | RES-CHIP | 24K | 5% | 1/10W |
| R435 | 1-216-086-00 | RES-CHIP | 36K | 5% | 1/10W |
| R436 | 1-216-082-00 | RES-CHIP | 24K | 5% | 1/10W |
| R437 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R438 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R449 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R450 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R451 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R452 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R455 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R456 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R457 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R458 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R459 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R460 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R461 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R462 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R463 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R464 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R471 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R472 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R473 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R501 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R502 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R503 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R504 | 1-216-295-11 | SHORT CHIP | 0 | | |
| R551 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (EXCEPT F7715X) |
| R553 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (EXCEPT F7715X) |
| R554 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (EXCEPT F7715X) |
| R556 | 1-216-864-11 | SHORT CHIP | 0 (EXCEPT F7715X) | | |
| R557 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (EXCEPT F7715X) |
| R558 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (EXCEPT F7715X) |
| R600 | 1-216-295-11 | SHORT CHIP | 0 | | |
| R601 | 1-216-029-00 | RES-CHIP | 150 | 5% | 1/10W |
| R602 | 1-216-029-00 | RES-CHIP | 150 | 5% | 1/10W |
| R603 | 1-216-029-00 | RES-CHIP | 150 | 5% | 1/10W |
| R604 | 1-216-025-11 | RES-CHIP | 100 | 5% | 1/10W |
| R620 | 1-216-230-00 | RES-CHIP | 22K | 5% | 1/8W |
| R621 | 1-216-230-00 | RES-CHIP | 22K | 5% | 1/8W |
| R622 | 1-218-863-11 | METAL CHIP | 4.7K | 0.5% | 1/10W |
| R623 | 1-218-895-11 | METAL CHIP | 100K | 0.5% | 1/10W |
| R624 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R625 | 1-216-025-11 | RES-CHIP | 100 | 5% | 1/10W |
| R626 | 1-216-848-11 | METAL CHIP | 180K | 5% | 1/10W |
| R627 | 1-216-846-11 | METAL CHIP | 120K | 5% | 1/10W |
| R628 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R629 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R630 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R631 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |

**MAIN** **RELAY** **SENSOR** **SERVO**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R632 | 1-216-823-11 | METAL CHIP | 1.5K | 5% | 1/10W |
| R633 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R635 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R636 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| R637 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R644 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R647 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R649 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R901 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R920 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R921 | 1-216-073-00 | RES-CHIP | 10K | 5% | 1/10W |
| R922 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R929 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R951 | 1-216-295-11 | SHORT CHIP | 0 | | |
| | | < SWITCH > | | | |
| S300 | 1-786-458-11 | SWITCH, PUSH (1 KEY) (NOSE DET) | | | |
| S301 | 1-762-638-21 | SWITCH, TACTILE (RESET) | | | |
| | | < TRANSFORMER > | | | |
| T620 | 1-443-212-11 | TRANSFORMER, DC-DC CONVERTER | | | |
| | | < THERMISTOR (POSITIVE) > | | | |
| TH100 | 1-801-792-21 | THERMISTOR, POSITIVE | | | |
| | | < TUNER > | | | |
| TUX501 | A-3220-961-A | TUNER UNIT (TUX-032) | | | |
| | | < VIBRATOR > | | | |
| X301 | 1-813-524-21 | VIBRATOR, CERAMIC (18.432MHz) | | | |
| X302 | 1-813-202-11 | VIBRATOR, CRYSTAL (32.768kHz) | | | |
| X550 | 1-813-173-11 | VIBRATOR, CRYSTAL (8.664MHz) | | | (EXCEPT F7715X) |
| ********** | | | | | |
| | | RELAY BOARD | | | |
| | | ********** | | | |
| | 1-828-511-11 | CABLE, FLAT (FFC) 22P (CNP502) | | | |
| | | < CONNECTOR > | | | |
| CNP501 | 1-818-142-11 | SOCKET, CONNECTOR 20P | | | |
| | | < DIODE > | | | |
| D990 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| D991 | 8-719-977-12 | DIODE DTZ6.8B | | | |
| LED931 | 6-500-895-01 | LED CL-270UB2-X-TS (DISC IN) | | | |
| LED932 | 6-500-204-01 | LED CL-190UB2-X-T (⏏) | | | |
| | | < RESISTOR > | | | |
| R990 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | < SWITCH > | | | |
| S901 | 1-786-763-11 | SWITCH, TACTILE (⏏) | | | |
| ********** | | | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | SENSOR BOARD | | | |
| | | ********** | | | |
| | | < SWITCH > | | | |
| SW2 | 1-529-566-61 | SWITCH, PUSH (1 KEY) (SELF) | | | |
| SW3 | 1-529-566-61 | SWITCH, PUSH (1 KEY) (DISC IN) | | | |
| ********** | | | | | |
| | A-1075-811-A | SERVO BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C4 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C5 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C6 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C7 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C9 | 1-104-609-11 | ELECT CHIP | 100uF | 20% | 4V |
| C10 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C13 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C16 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C17 | 1-162-925-11 | CERAMIC CHIP | 68PF | 5% | 50V |
| C18 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C19 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C20 | 1-164-245-11 | CERAMIC CHIP | 0.015uF | 10% | 25V |
| C21 | 1-165-176-11 | CERAMIC CHIP | 0.047uF | 10% | 16V |
| C22 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C23 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C24 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C27 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C28 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C29 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C31 | 1-164-245-11 | CERAMIC CHIP | 0.015uF | 10% | 25V |
| C32 | 1-162-923-11 | CERAMIC CHIP | 47PF | 5% | 50V |
| C33 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C34 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C35 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C36 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C37 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C38 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C39 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C40 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C41 | 1-162-968-11 | CERAMIC CHIP | 0.0047uF | 10% | 50V |
| C42 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C43 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C45 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C47 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C48 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C49 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C51 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C52 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C53 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C57 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C61 | 1-126-208-21 | ELECT CHIP | 47uF | 20% | 4V |
| C62 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C64 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C65 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C66 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C67 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V |

**SERVO**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C70 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C72 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C73 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C74 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C75 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C76 | 1-100-381-11 | ELECT CHIP | 10uF | 20% | 16V |
| C77 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C78 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C79 | 1-100-381-11 | ELECT CHIP | 10uF | 20% | 16V |
| C80 | 1-125-837-11 | CERAMIC CHIP | 1uF | 10% | 6.3V |
| C81 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C82 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C83 | 1-100-381-11 | ELECT CHIP | 10uF | 20% | 16V |
| C84 | 1-100-381-11 | ELECT CHIP | 10uF | 20% | 16V |
| C85 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C86 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C89 | 1-164-730-11 | CERAMIC CHIP | 0.0012uF | 5% | 50V |
| C90 | 1-164-730-11 | CERAMIC CHIP | 0.0012uF | 5% | 50V |
| C91 | 1-115-412-11 | CERAMIC CHIP | 680PF | 5% | 25V |
| C92 | 1-115-412-11 | CERAMIC CHIP | 680PF | 5% | 25V |
| C93 | 1-115-412-11 | CERAMIC CHIP | 680PF | 5% | 25V |
| C94 | 1-115-412-11 | CERAMIC CHIP | 680PF | 5% | 25V |
| C95 | 1-100-381-11 | ELECT CHIP | 10uF | 20% | 16V |
| C96 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C99 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C100 | 1-100-381-11 | ELECT CHIP | 10uF | 20% | 16V |
| C101 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C102 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C103 | 1-100-567-81 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C104 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C105 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| C106 | 1-125-777-11 | CERAMIC CHIP | 0.1uF | 10% | 10V |
| | | < CONNECTOR > | | | |
| CN1 | 1-691-380-21 | CONNECTOR, FFC/FPC 16P | | | |
| CN2 | 1-817-275-21 | CONNECTOR, BOARD TO BOARD 28P | | | |
| | | < JUMPER RESISTOR > | | | |
| FB2 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB3 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB4 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB5 | 1-216-864-11 | SHORT CHIP | 0 | | |
| FB8 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < IC > | | | |
| IC1 | 6-707-327-01 | IC BA5968FP-E2 | | | |
| IC2 | 6-707-328-01 | IC TC94A60MFG-301 | | | |
| IC3 | 6-805-086-01 | IC MB90487APFV-G-131-BNDE1 | | | |
| IC5 | 6-707-329-01 | IC PCM1793DBR | | | |
| IC6 | 6-705-364-01 | IC R1114N151D-TR-FA | | | |
| IC7 | 8-759-422-21 | IC NJM4580V(TE2) | | | |
| IC8 | 8-759-422-21 | IC NJM4580V(TE2) | | | |
| | | < VIBRATOR > | | | |
| IC4 | 1-813-502-11 | OSCILLATOR, CRYSTAL (SMD) (16.9344MHz) | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < TRANSISTOR > | | | |
| Q1 | 8-729-904-87 | TRANSISTOR 2SB1197K-R | | | |
| Q2 | 8-729-904-87 | TRANSISTOR 2SB1197K-R | | | |
| Q3 | 8-729-928-90 | TRANSISTOR DTC114EE | | | |
| | | < RESISTOR > | | | |
| R1 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R2 | 1-208-699-11 | METAL CHIP | 4.7K | 0.5% | 1/16W |
| R3 | 1-208-912-11 | METAL CHIP | 11K | 0.5% | 1/16W |
| R4 | 1-218-969-11 | RES-CHIP | 22K | 5% | 1/16W |
| R5 | 1-218-969-11 | RES-CHIP | 22K | 5% | 1/16W |
| R6 | 1-218-929-11 | RES-CHIP | 10 | 5% | 1/16W |
| R7 | 1-218-929-11 | RES-CHIP | 10 | 5% | 1/16W |
| R8 | 1-218-967-11 | RES-CHIP | 15K | 5% | 1/16W |
| R9 | 1-218-967-11 | RES-CHIP | 15K | 5% | 1/16W |
| R10 | 1-218-965-11 | RES-CHIP | 10K | 5% | 1/16W |
| R11 | 1-218-965-11 | RES-CHIP | 10K | 5% | 1/16W |
| R12 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R13 | 1-218-969-11 | RES-CHIP | 22K | 5% | 1/16W |
| R16 | 1-218-967-11 | RES-CHIP | 15K | 5% | 1/16W |
| R17 | 1-218-973-11 | RES-CHIP | 47K | 5% | 1/16W |
| R19 | 1-218-967-11 | RES-CHIP | 15K | 5% | 1/16W |
| R21 | 1-218-973-11 | RES-CHIP | 47K | 5% | 1/16W |
| R22 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R23 | 1-218-979-11 | RES-CHIP | 150K | 5% | 1/16W |
| R24 | 1-218-962-11 | RES-CHIP | 5.6K | 5% | 1/16W |
| R25 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R26 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R28 | 1-218-947-11 | RES-CHIP | 330 | 5% | 1/16W |
| R29 | 1-218-945-11 | RES-CHIP | 220 | 5% | 1/16W |
| R30 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R37 | 1-218-945-11 | RES-CHIP | 220 | 5% | 1/16W |
| R39 | 1-218-945-11 | RES-CHIP | 220 | 5% | 1/16W |
| R40 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R41 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R42 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R43 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R44 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R47 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R48 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R50 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R52 | 1-218-945-11 | RES-CHIP | 220 | 5% | 1/16W |
| R53 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R54 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R55 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R56 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R57 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R58 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R59 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R60 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R61 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R62 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R63 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R64 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R65 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R66 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R67 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |

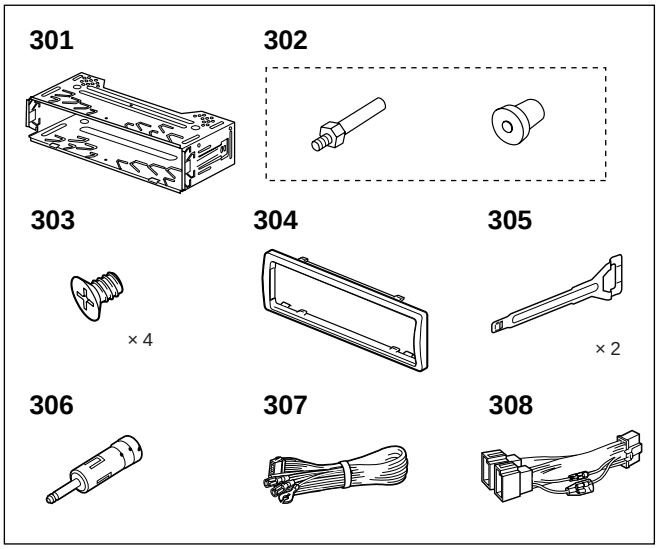
## SERVO

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R68 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R69 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R70 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R71 | 1-220-804-11 | RES-CHIP | 2.2M | 5% | 1/16W |
| R72 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R73 | 1-218-973-11 | RES-CHIP | 47K | 5% | 1/16W |
| R74 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R77 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R78 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R80 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R81 | 1-218-973-11 | RES-CHIP | 47K | 5% | 1/16W |
| R82 | 1-218-973-11 | RES-CHIP | 47K | 5% | 1/16W |
| R83 | 1-218-973-11 | RES-CHIP | 47K | 5% | 1/16W |
| R84 | 1-218-953-11 | RES-CHIP | 1K | 5% | 1/16W |
| R86 | 1-218-969-11 | RES-CHIP | 22K | 5% | 1/16W |
| R88 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R89 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R90 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R91 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R92 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R93 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R94 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R95 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R96 | 1-218-710-11 | METAL CHIP | 5.6K | 0.5% | 1/10W |
| R97 | 1-218-710-11 | METAL CHIP | 5.6K | 0.5% | 1/10W |
| R98 | 1-218-710-11 | METAL CHIP | 5.6K | 0.5% | 1/10W |
| R99 | 1-218-710-11 | METAL CHIP | 5.6K | 0.5% | 1/10W |
| R100 | 1-220-200-81 | RES-CHIP | 30K | 5% | 1/16W |
| R101 | 1-218-971-11 | RES-CHIP | 33K | 5% | 1/16W |
| R102 | 1-218-702-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R103 | 1-218-702-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R104 | 1-218-698-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R105 | 1-218-698-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R106 | 1-218-698-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R107 | 1-218-698-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R108 | 1-218-702-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R109 | 1-218-702-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R110 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R111 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R114 | 1-208-912-11 | METAL CHIP | 11K | 0.5% | 1/16W |
| R115 | 1-208-912-11 | METAL CHIP | 11K | 0.5% | 1/16W |
| R116 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R117 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R118 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R119 | 1-218-977-11 | RES-CHIP | 100K | 5% | 1/16W |
| R120 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R121 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R122 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R123 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R124 | 1-218-945-11 | RES-CHIP | 220 | 5% | 1/16W |
| R125 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R126 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R127 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R128 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R129 | 1-218-941-81 | RES-CHIP | 100 | 5% | 1/16W |
| R130 | 1-218-990-11 | SHORT CHIP | 0 | | |
| R132 | 1-218-962-11 | RES-CHIP | 5.6K | 5% | 1/16W |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | < SWITCH > | |
| SW1 | 1-529-565-61 | SWITCH, PUSH (1 KEY) (DOWN) | |
| | | < VIBRATOR > | |
| X1 | 1-813-371-21 | VIBRATOR, CERAMIC (12MHz) | |
| ********** | | | |
| | | MISCELLANEOUS | |
| | | *************** | |
| 10 | 1-790-375-12 | CORD (WITH CONNECTOR) (SUB OUT (MONO)) | |
| 12 | 1-776-207-72 | CORD (WITH CONNECTOR) (POWER) (F7710/F7710S/F7715X) | |
| 12 | 1-776-527-71 | CORD (WITH CONNECTOR) (ISO) (POWER) (F7750/F7750S) | |
| ⚠153 | 8-820-207-12 | OPTICAL PICK-UP (KSS1000E/K1RP) | |
| 154 | A-1075-787-A | CHASSIS (OP) SUB ASSY (including M901) | |
| F901 | 1-532-877-11 | FUSE (BLADE TYPE) (AUTO FUSE) 10A | |
| M902 | A-3337-638-A | MOTOR ASSY, SL (SLED) | |
| M903 | A-1075-792-A | MOTOR ASSY, LE (LOADING) | |
| SW4 | 1-571-099-11 | SWITCH (1 KEY) (LIMIT) | |
| ********** | | | |
| | | ACCESSORIES | |
| | | ************ | |
| | 1-479-077-21 | REMOTE COMMANDER (RM-X152) (F7715X) | |
| | 1-479-077-41 | REMOTE COMMANDER (RM-X154) (EXCEPT F7715X) | |
| | 2-515-342-11 | MANUAL, INSTRUCTION (ENGLISH,FRENCH, SPANISH) (F7715X) | |
| | 2-515-342-21 | MANUAL, INSTRUCTION (ENGLISH,GERMAN, FRENCH,ITALIAN) (F7750/F7750S) | |
| | 2-515-342-31 | MANUAL, INSTRUCTION (ENGLISH, TRADITIONAL CHINESE) (F7710/F7710S) | |
| | 2-515-343-11 | MANUAL, INSTRUCTION, INSTALL (ENGLISH, FRENCH,SPANISH) (F7715X) | |
| | 2-515-343-21 | MANUAL, INSTRUCTION, INSTALL (ENGLISH, GERMAN,FRENCH,ITALIAN) (F7750/F7750S) | |
| | 2-515-343-31 | MANUAL, INSTRUCTION, INSTALL (ENGLISH, TRADITIONAL CHINESE) (F7710/F7710S) | |
| | 2-548-729-01 | LID, BATTERY CASE (for RM-X152/X154) | |
| | X-3385-170-1 | CASE ASSY (for FRONT PANEL) | |
| ********** | | | |

| | |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.<br>Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.<br>Ne les remplacer que par une piéce portant le numéro spécifié. |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | | PARTS FOR INSTALLATION AND CONNECTIONS | |
| | | ********** | |
| 301 | X-3382-647-1 | FRAME ASSY, FITTING | |
| 302 | X-3366-405-1 | SCREW ASSY (EXP), FITTING | (EXCEPT F7715X) |
| 303 | 3-934-325-01 | SCREW (+K 5X8 TP) (F7710/F7710S/F7715X) | |
| 304 | 3-264-055-01 | COLLAR | |
| 305 | 3-246-471-01 | KEY (FRAME) | |
| 306 | 1-465-459-21 | ADAPTOR, ANTENNA (F7750/F7750S) | |
| 307 | 1-776-207-72 | CORD (WITH CONNECTOR) (POWER) | (F7710/F7710S/F7715X) |
| 308 | 1-776-527-71 | CORD (WITH CONNECTOR) (ISO) (POWER) | (F7750/F7750S) |



## REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper on the revised page allows you to jump to the next revised page.

| Ver. | Date | Description of Revision |
|---|---|---|
| 1.0 | 2004. 12 | New |
| | | |
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